

4.2.B. 0513010602.

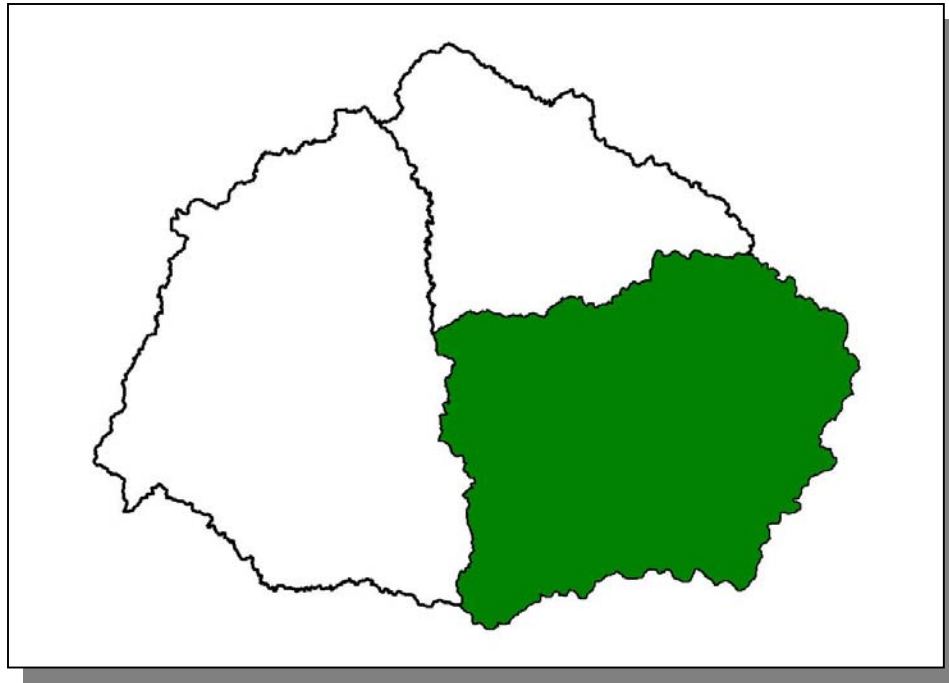


Figure 4-42. Location of Subwatershed 0513010602. All Cordell Hull Lake HUC-10 subwatershed boundaries are shown for reference.

4.2.B.i. 051301060201 (Roaring River).

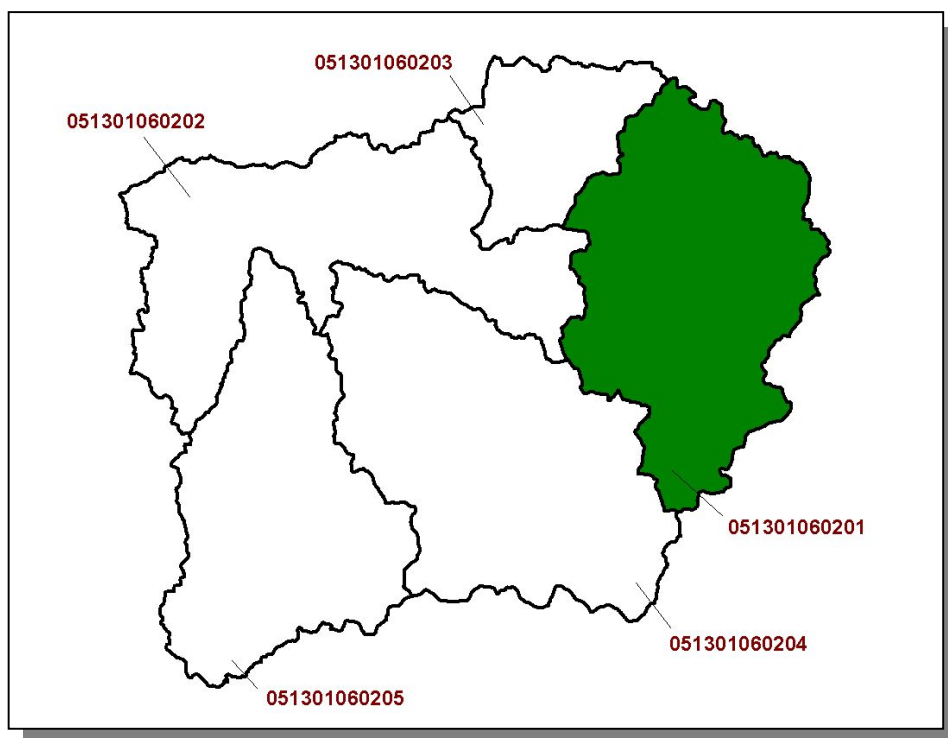


Figure 4-43. Location of Subwatershed 051301060201. All Clear Fork of the Cumberland River Watershed HUC-12 subwatershed boundaries are shown for reference.

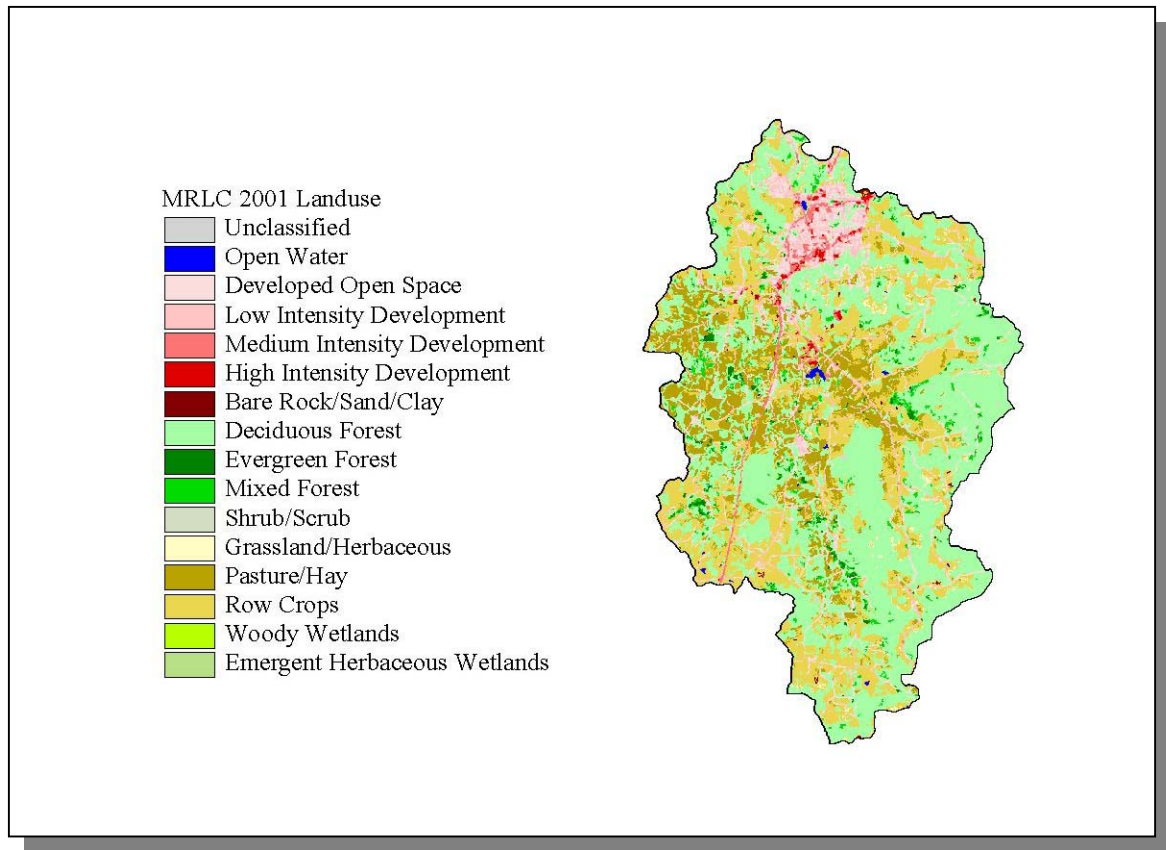


Figure 4-44. Illustration of Land Use Distribution in Subwatershed 051301060201.

DRAFT

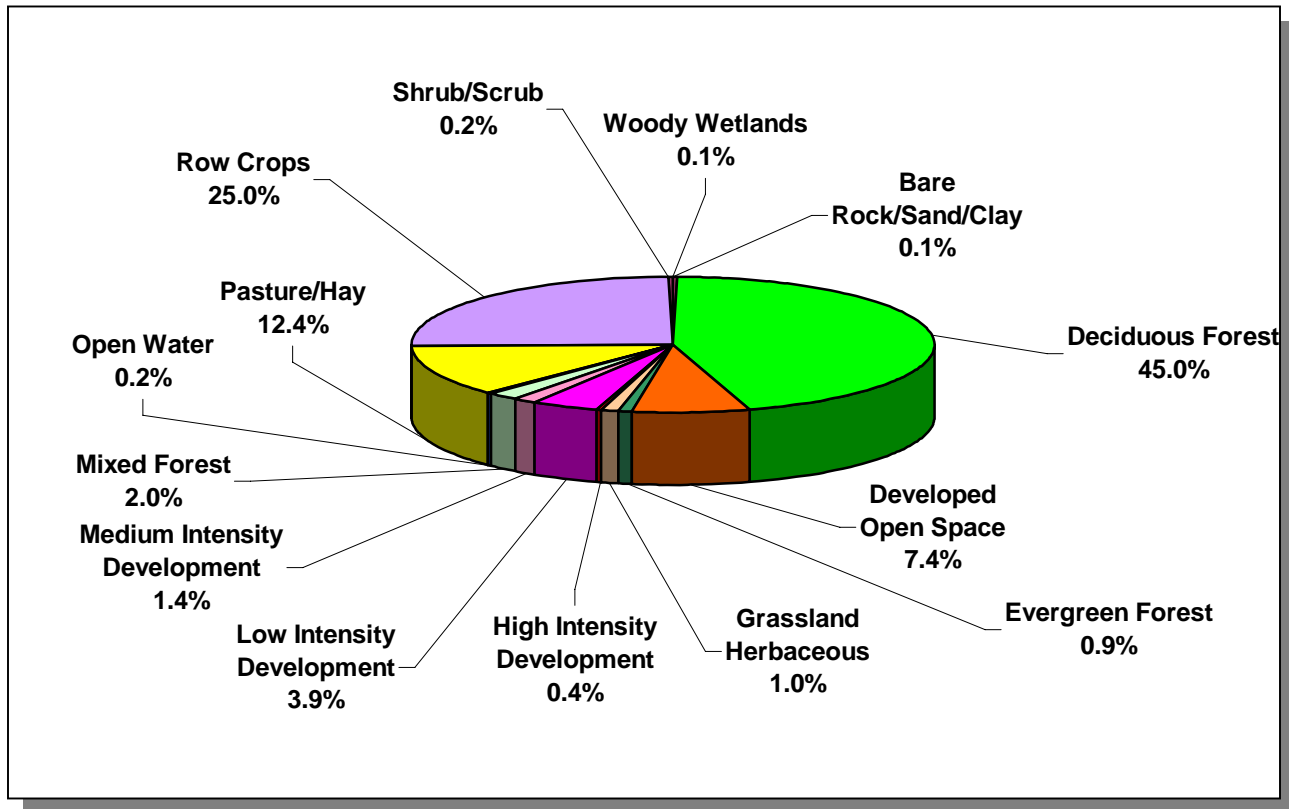


Figure 4-45. Land Use Distribution in Subwatershed 051301060201. More information is provided in Appendix IV.

DRAFT

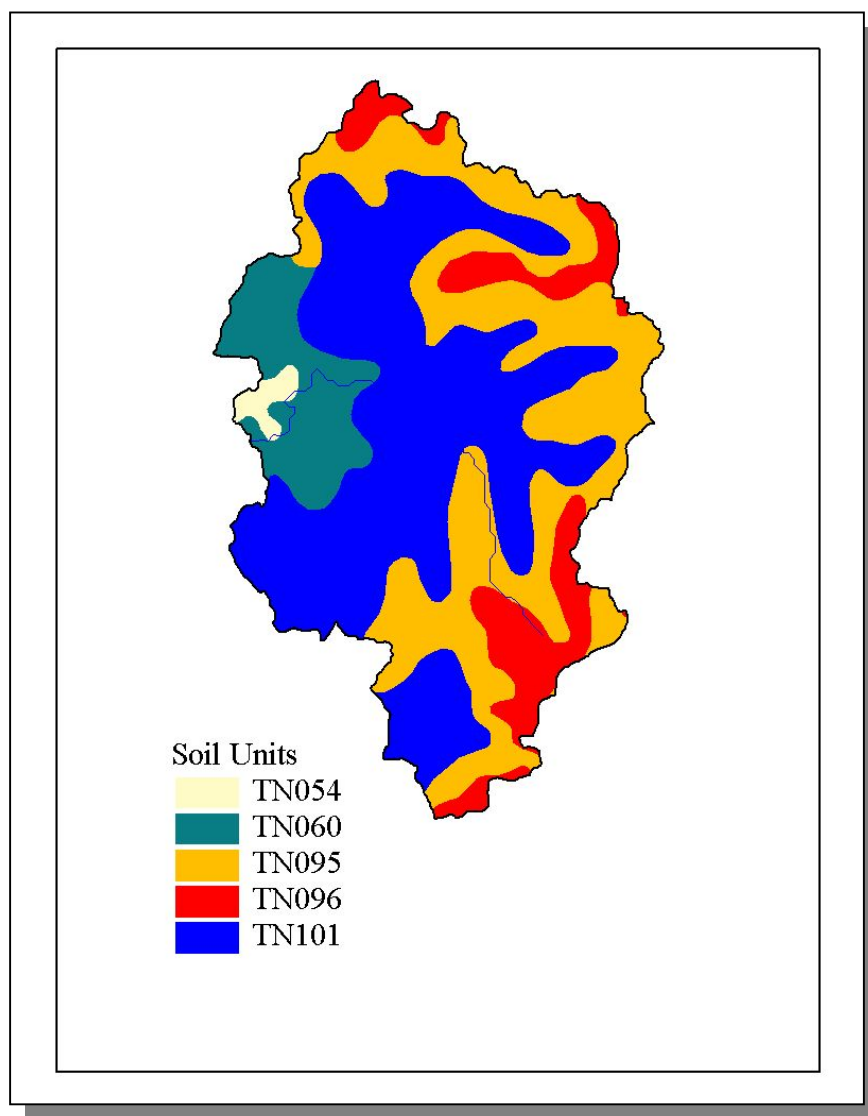


Figure 4-46. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060201.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	10.00	C	1.22	5.16	Silty Loam	0.38
TN101	0.00	B	1.71	5.39	Loam	0.35

Table 4-34. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060201. The definition of "Hydrologic Group" is provided in Appendix IV.

DRAFT

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Overton	17,636	19,171	20,118	16.2	2,858	3,107	3,260	14.1

Table 4-35. Population Estimates in Subwatershed 051301060201.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Livingston	Overton	3,809	1,679	1,298	344	37

Table 4-36. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 051301060201.

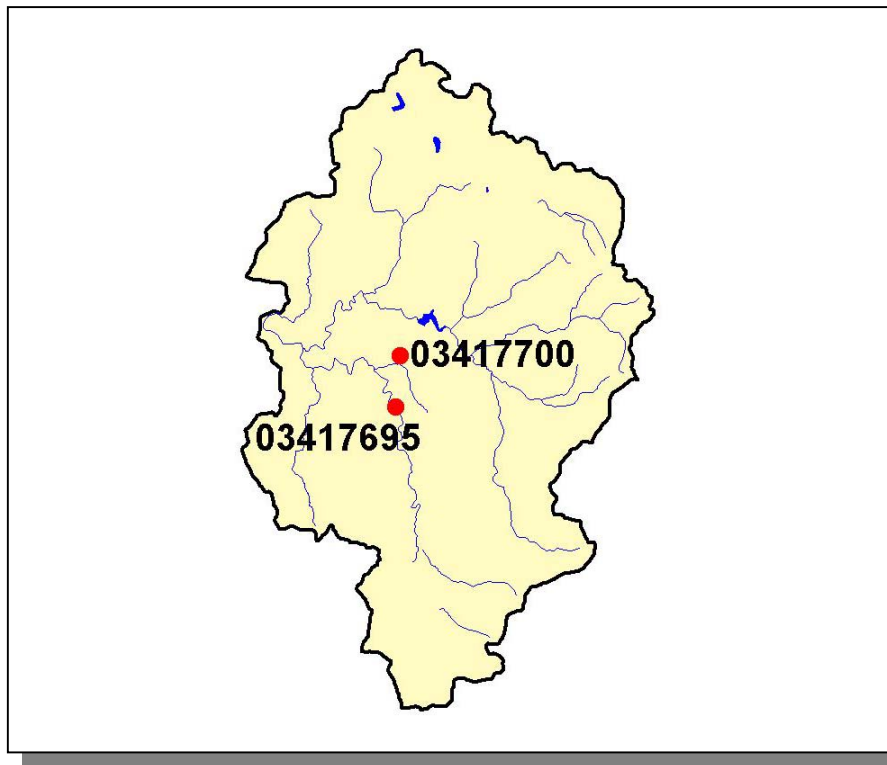


Figure 4-47. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301060201. More information is provided in Appendix IV.

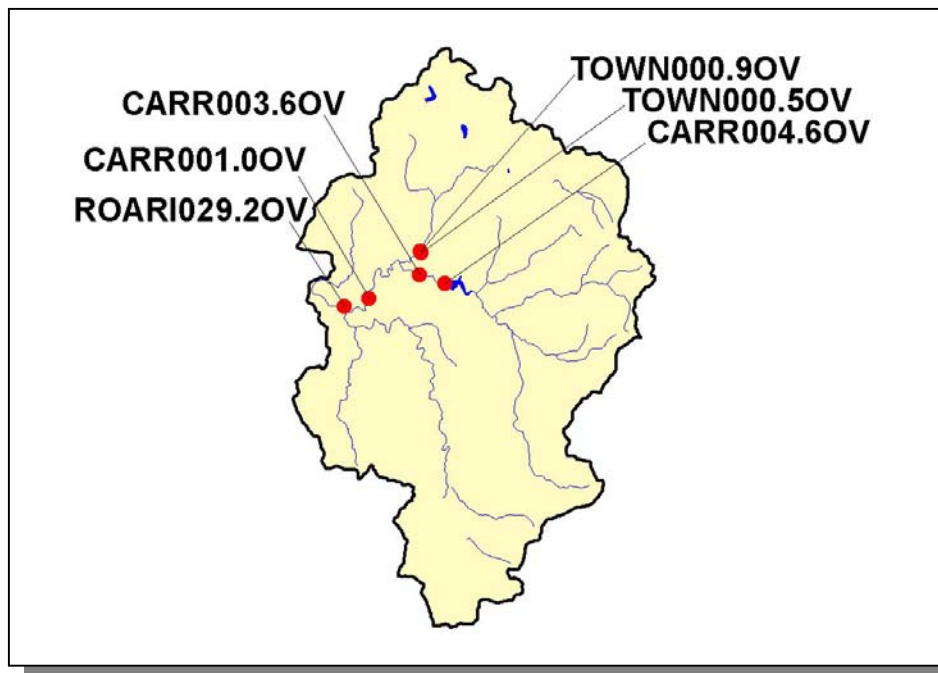


Figure 4-48. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301060201. More information, including site names and locations, is provided in Appendix IV.

4.2.B.i.a. Point Source Contributions.

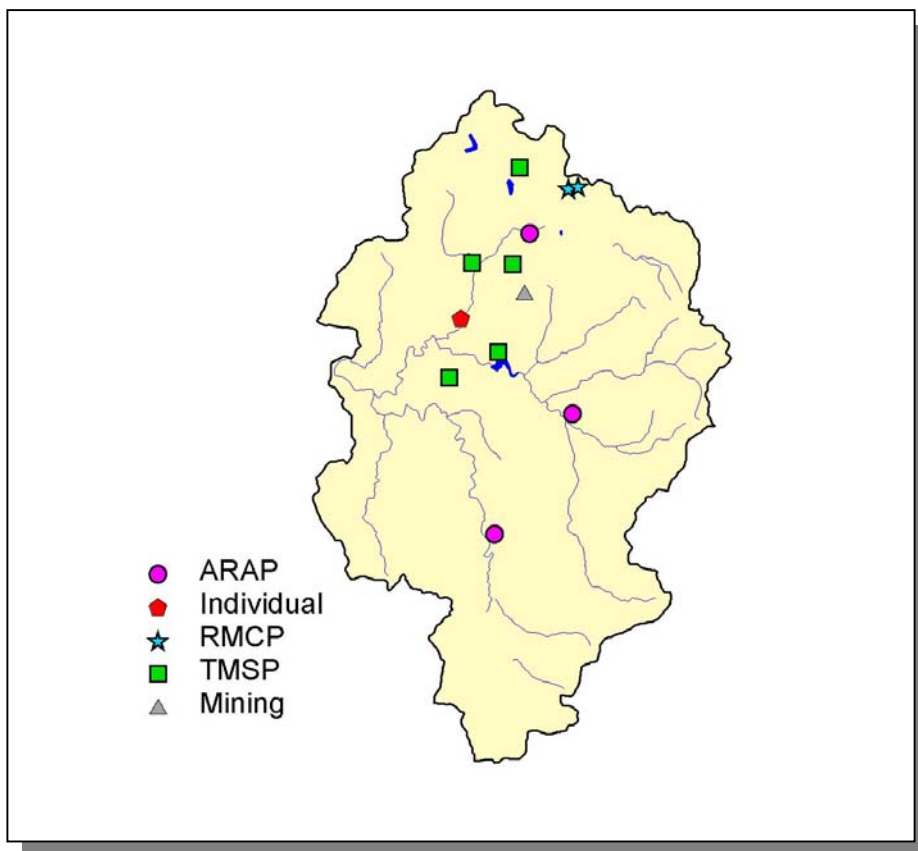


Figure 4-49. Location of Permits Issued in Subwatershed 051301060201. More information, including the names of facilities, is provided in Appendix IV.

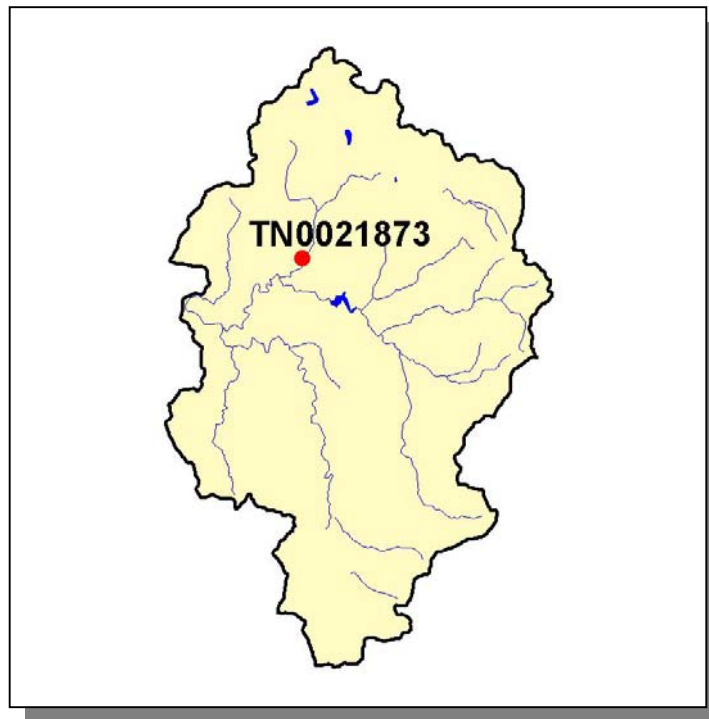


Figure 4-50. Location of Active NPDES Sites in Subwatershed 051301060201. More information, including the names of facilities, is provided in Appendix IV.

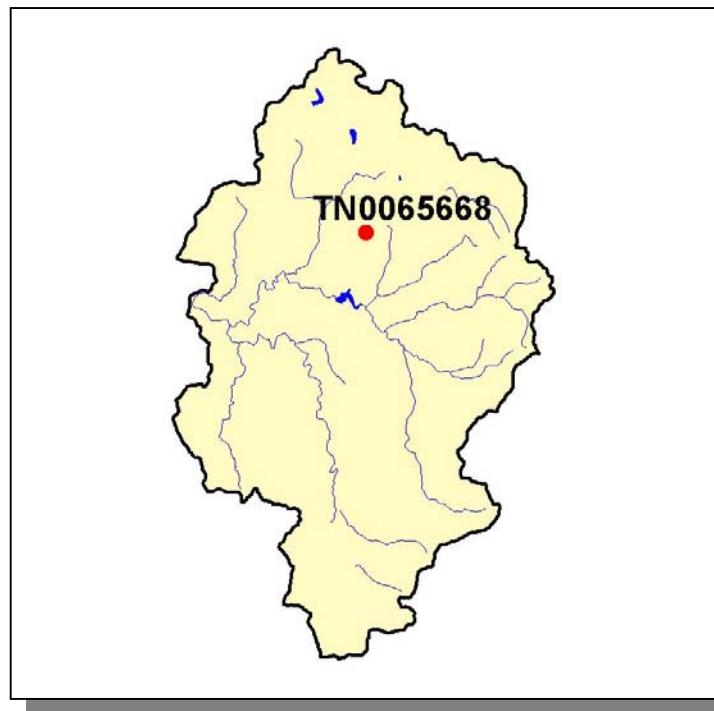


Figure 4-51. Location of Active Mining Sites in Subwatershed 051301060201. More information, including the names of mining operations, is provided in Appendix IV.

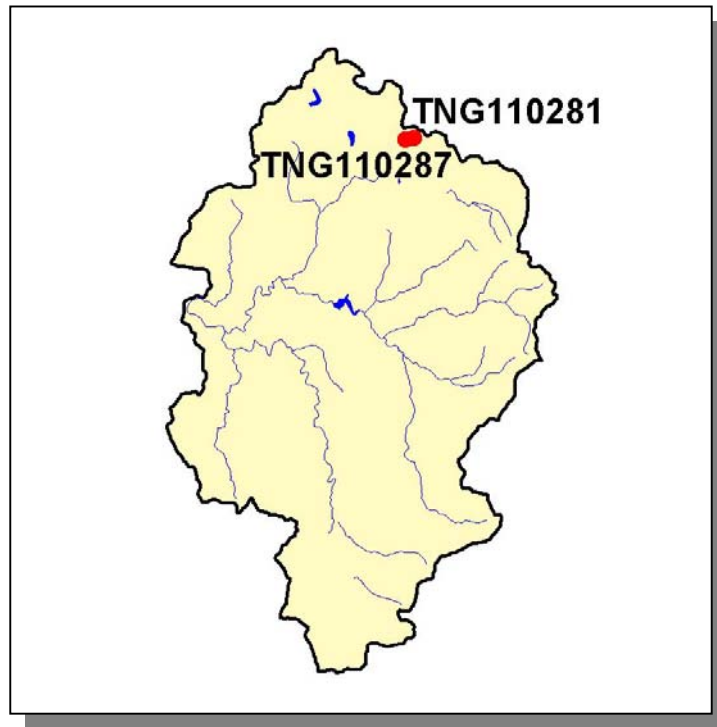


Figure 4-52. Location of Ready Mix Concrete Plants (RMCP) in Subwatershed 051301060201. More information is provided in Appendix IV.

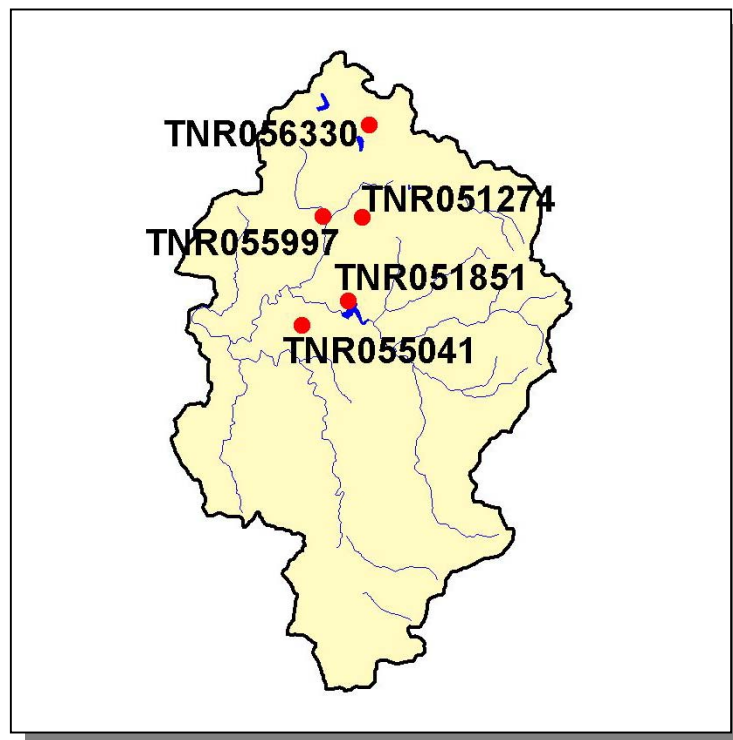


Figure 4-53. Location of TMSP Sites in Subwatershed 051301060201. More information, including the names of facilities, is provided in Appendix IV.

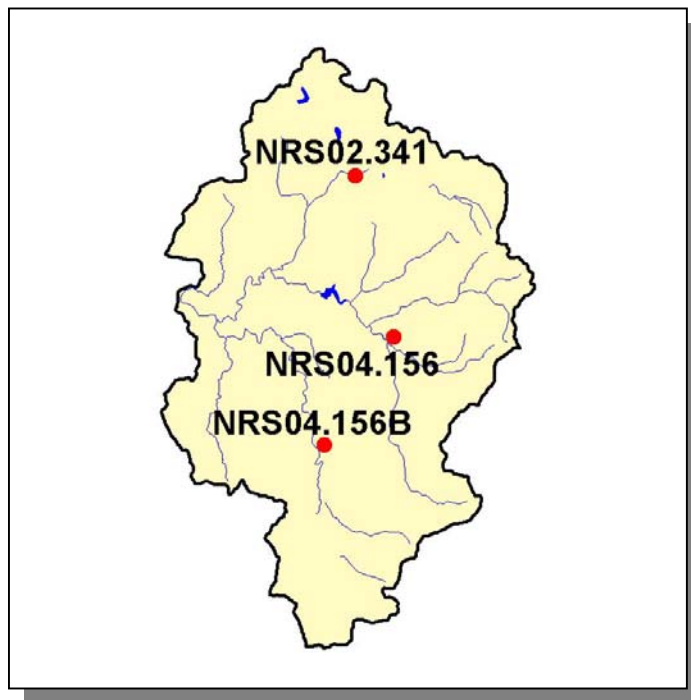


Figure 4-54. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 051301060201. More information is provided in Appendix IV.

4.2.B.i.a.i. Dischargers to Water Bodies Listed on the 2004 303(d) List

There is one NPDES facility discharging to water bodies listed on the 2004 303(d) list in Subwatershed 051302010201:

- TN0021873 (Livingston STP) discharges to Town Creek @ RM 0.8

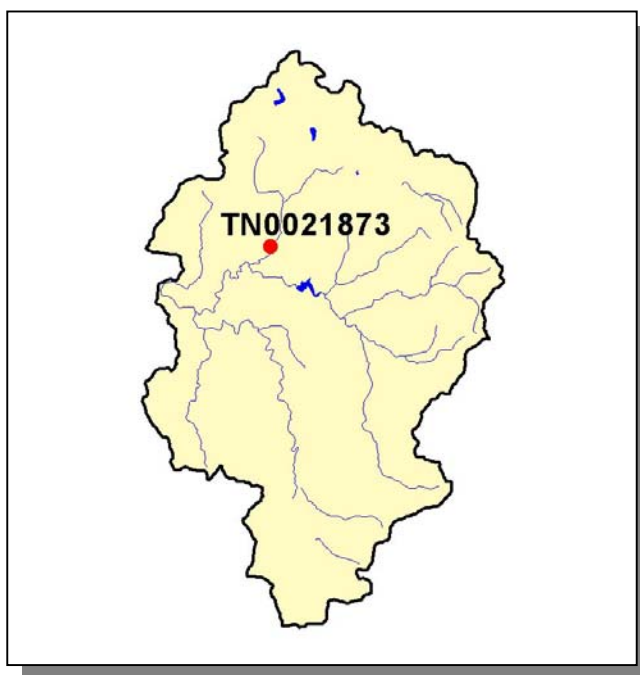


Figure 4-55. Location of NPDES Dischargers to Water Bodies Listed on the 2004 303(d) List in Subwatershed 051301060201. More information, including the names of facilities, is provided in Appendix IV.

DRAFT

PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0021873			0.45		

Table 4-37. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 051301060201. Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.

PERMIT #	Zn	Cu	Pb	Ni	Cd	Mo	As	Se	Flow
TN0021873	X	X	X	X	X	X	X	X	X

Table 4-38. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 051301060201.

PERMIT #	WET	CBOD ₅	NH ₃	TRC	TSS	SETTLEABLE SOLIDS	DO	pH	Hg
TN0021873	X	X	X	X	X	X	X	X	X

Table 4-39. Parameters Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 051301060201. WET, Whole Effluent Toxicity; CBOD₅, Carbonaceous Biochemical Oxygen Demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids.

DRAFT

4.2.B.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
4,006	7,354	317	13	214	16

Table 4-40. Summary of Livestock Count Estimates in Subwatershed 051301060201.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Overton	15,150	27,812	1,200	1,173	811	59
Putnam	12,592	24,817	1,095	1,025	1,070	66

Table 4-41. Summary of Livestock Count Estimates in Overton and Putnam Counties.
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Overton	170.3	170.3	1.7	7.0
Putnam	152.5	152.5	3.6	16.4

Table 4-42. Forest Acreage and Annual Removal Rates (1987-1994) in Overton and Putnam Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.26
Grass (Hayland)	0.31
Legumes (Hayland)	0.23
Legumes, Grass (Hayland)	2.89
Grass, Forbs, Legumes (Mixed Pasture)	0.67
Corn (Row Crops)	4.35
Soybeans (Row Crops)	10.79
Tobacco (Row Crops)	12.38
Wheat (Close-Grown Cropland)	7.00
Other Vegetable and Truck Crops	21.46
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	0.58

Table 4-43. Annual Estimated Total Soil Loss in Subwatershed 051301060201.

4.2.B.ii. 051301060202 (Roaring River).

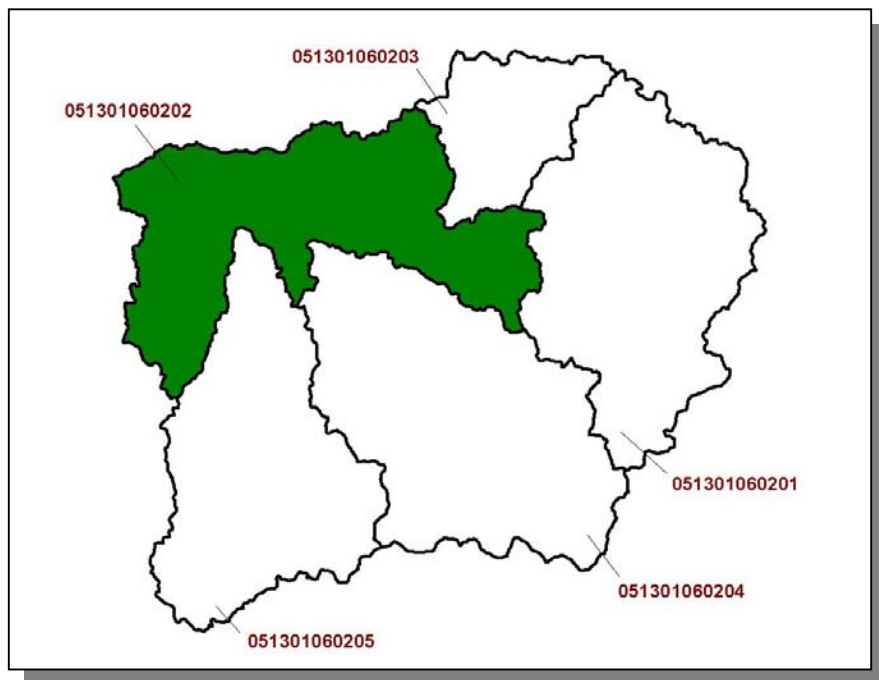


Figure 4-56. Location of Subwatershed 051301060202. All Clear Fork of the Cumberland River Watershed HUC-12 subwatershed boundaries are shown for reference.

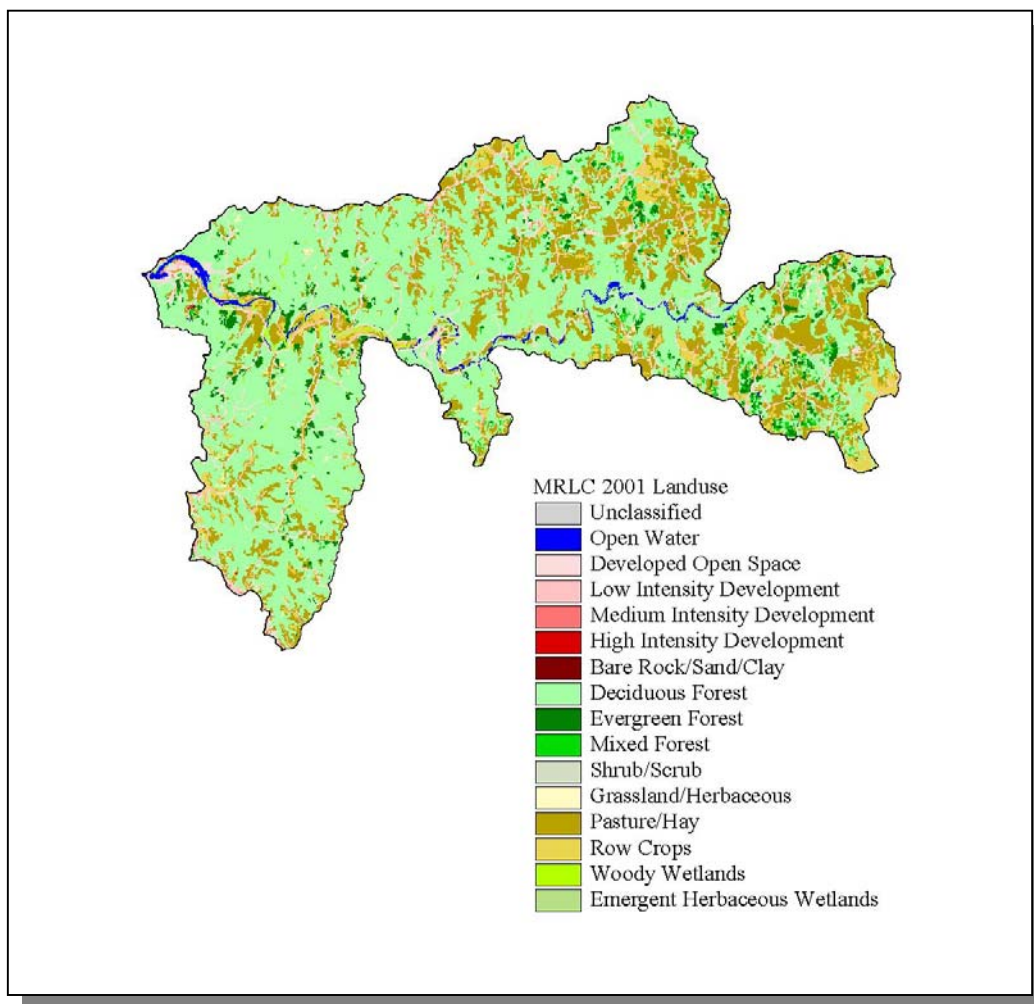


Figure 4-57. Illustration of Land Use Distribution in Subwatershed 051301060202.

DRAFT

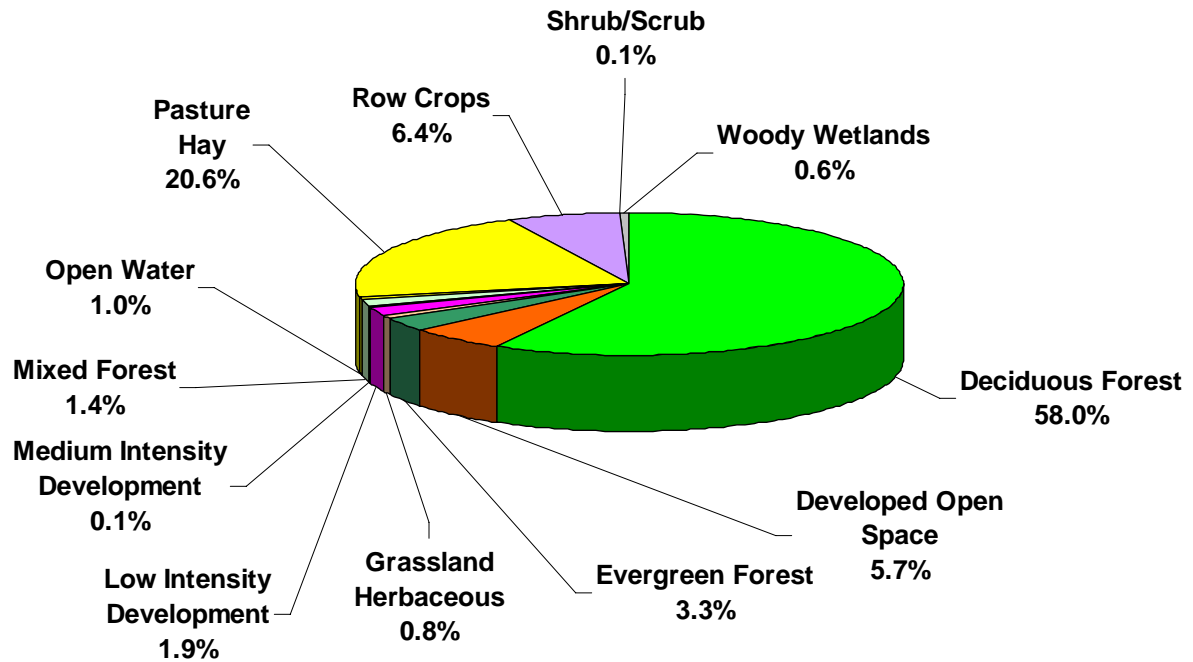


Figure 4-58. Land Use Distribution in Subwatershed 051301060202. More information is provided in Appendix IV.

DRAFT

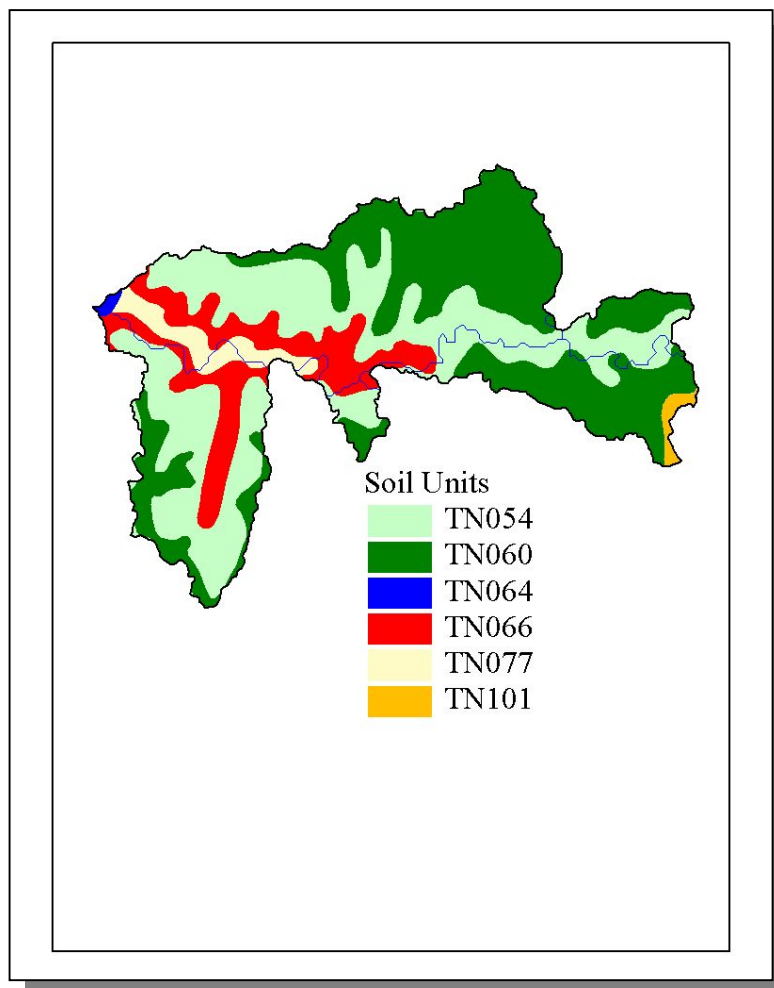


Figure 4-59. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060202.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN064	7.00	C	1.19	5.82	Silty Loam	0.37
TN066	0.00	B	2.62	4.75	Loam	0.28
TN077	4.00	C	216	5.03	Loam	0.34
TN101	0.00	B	1.71	5.39	Loam	0.35

Table 4-44. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060202. The definition of "Hydrologic Group" is provided in Appendix IV.

DRAFT

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Jackson	9,279	9,537	10,984	13.84	1,287	1,320	1,520	18.1
Overton	17,636	19,171	20,118	5.34	942	1,024	1,074	14.0
Total	26,933	28,708	31,102		2,229	2,344	2,594	16.4

Table 4-45. Population Estimates in Subwatershed 051301010202.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Gainesboro	Jackson	1,002	495	411	82	2

Table 4-46. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 051301060202.

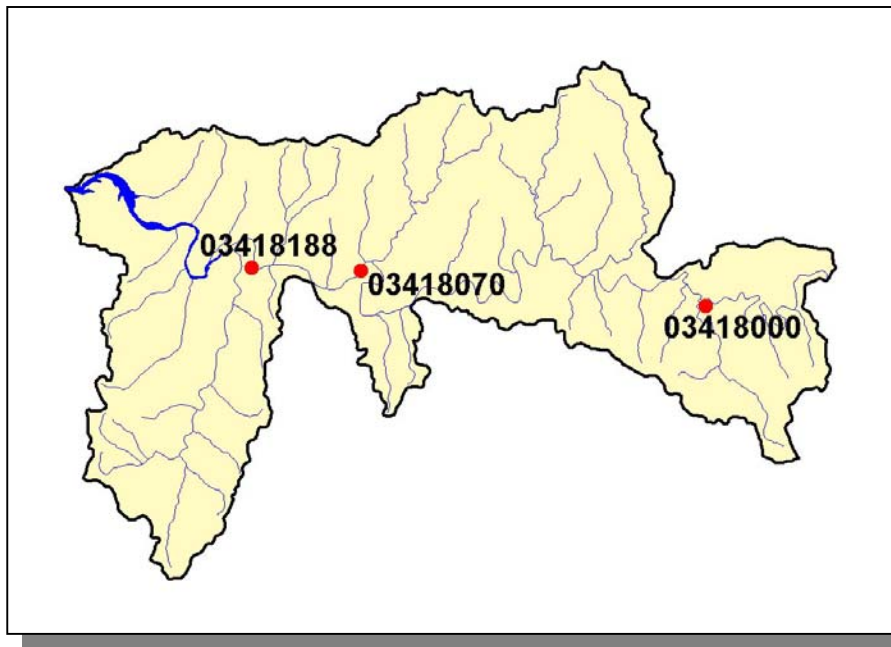


Figure 4-60. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301060202. More information is provided in Appendix IV.



Figure 4-61. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301060202. More information, including site names and locations, is provided in Appendix IV.

4.2.B.ii.a. Point Source Contributions.

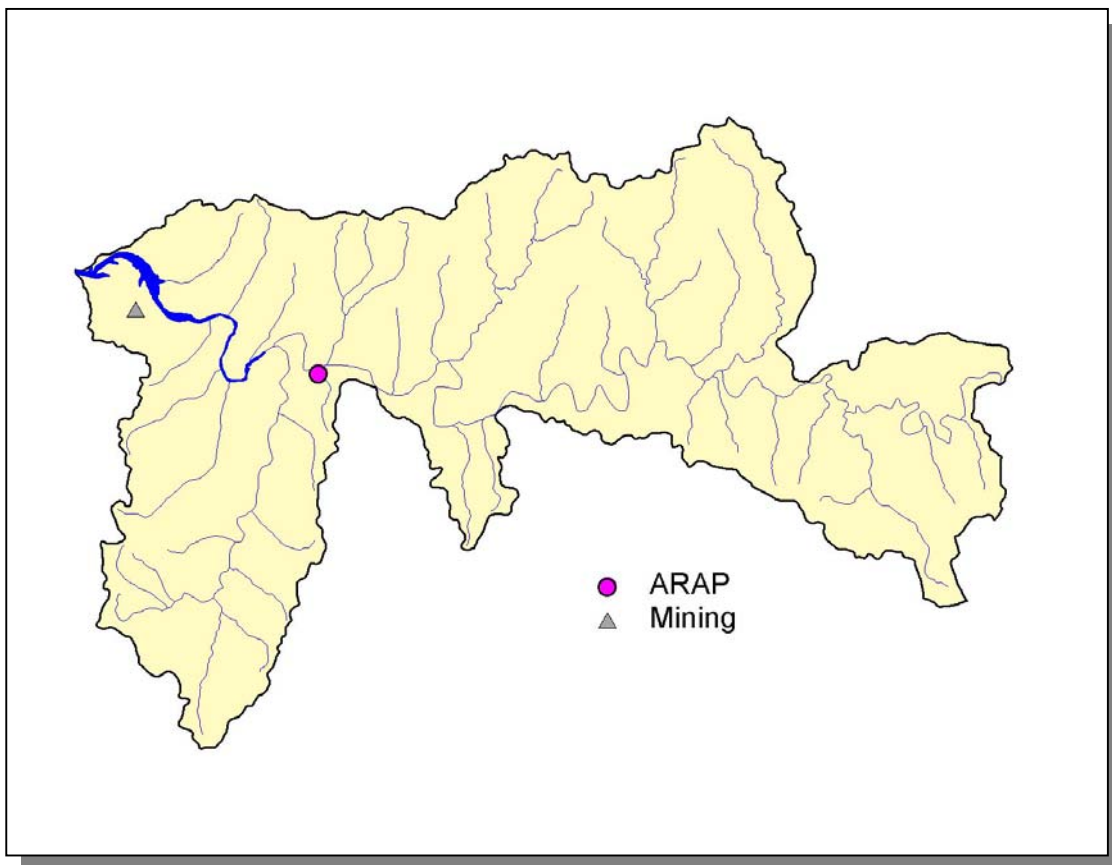


Figure 4-62. Location of Permits Issued in Subwatershed 051301060202. More information, including the names of facilities, is provided in Appendix IV.

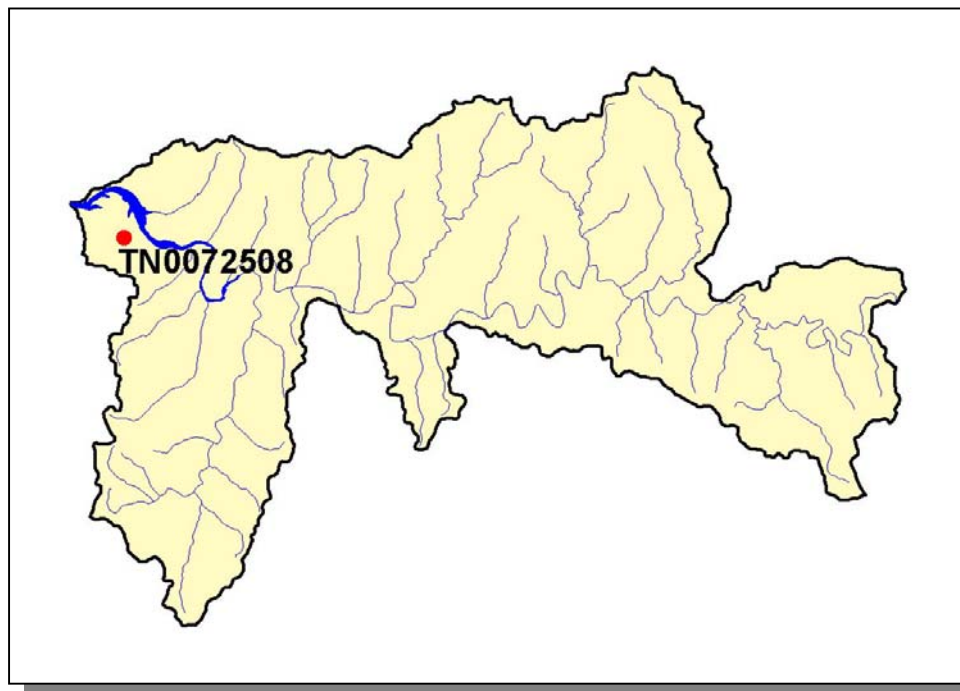


Figure 4-63. Location of Active Mining Sites in Subwatershed 051301060202. More information, including the names of mining operations, is provided in Appendix IV.

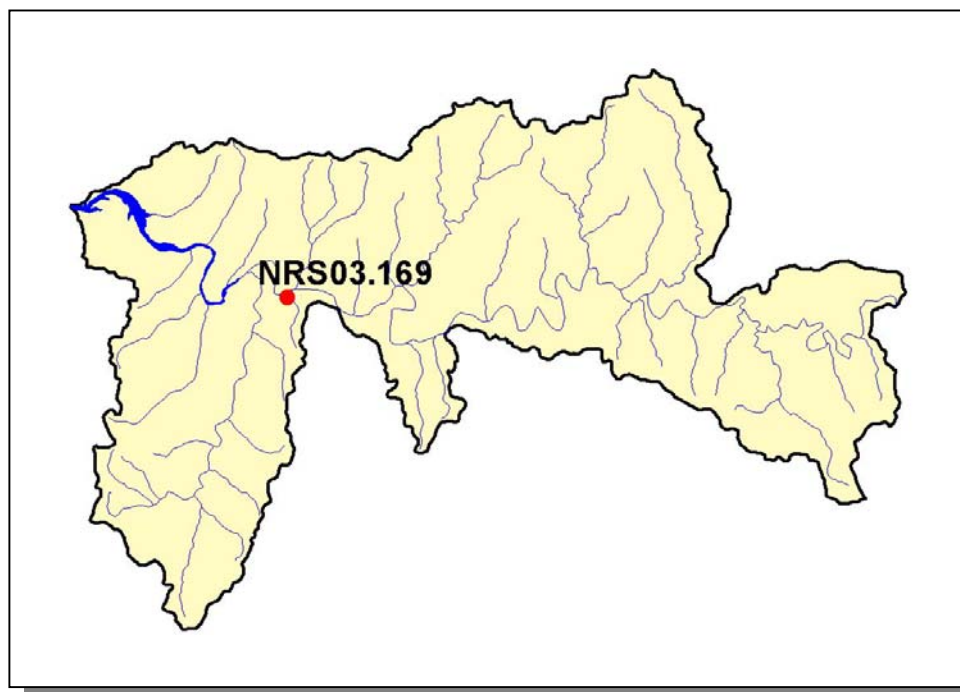


Figure 4-64. Location of Aquatic Alteration Resource Permits Sites in Subwatershed 051301060202. More information, including the names of facilities, is provided in Appendix IV.

DRAFT

4.2.B.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
2,356	4,214	100	9	131	11

Table 4-47. Summary of Livestock Count Estimates in Subwatershed 051301060202. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Jackson	6,962	12,086	10	727	403	39
Overton	15,150	27,812	1,200	1,173	811	59

Table 4-48. Summary of Livestock Count Estimates in Jackson and Overton Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Jackson	135.9	135.9	0.9	5.1
Overton	170.3	170.3	1.7	7.0

Table 4-49. Forest Acreage and Annual Removal Rates (1987-1994) in Jackson and Overton Counties.

CROPS	TONS/ACRE/YEAR
Legumes (Pastureland)	0.41
Grass (Pastureland)	1.56
Grass (Hayland)	0.31
Legumes (Hayland)	0.17
Legumes, Grass (Hayland)	2.89
Grass, Forbs, Legumes (Mixed Pasture)	1.53
Corn (Row Crops)	15.54
Soybeans (Row Crops)	10.79
Wheat (Close-Grown Cropland)	7.00
Other Vegetable and Truck Crops	21.46
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	1.06

Table 4-50. Annual Estimated Total Soil Loss in Subwatershed 051301060202.

4.2.B.iii. 051301060203 (Flat Creek).

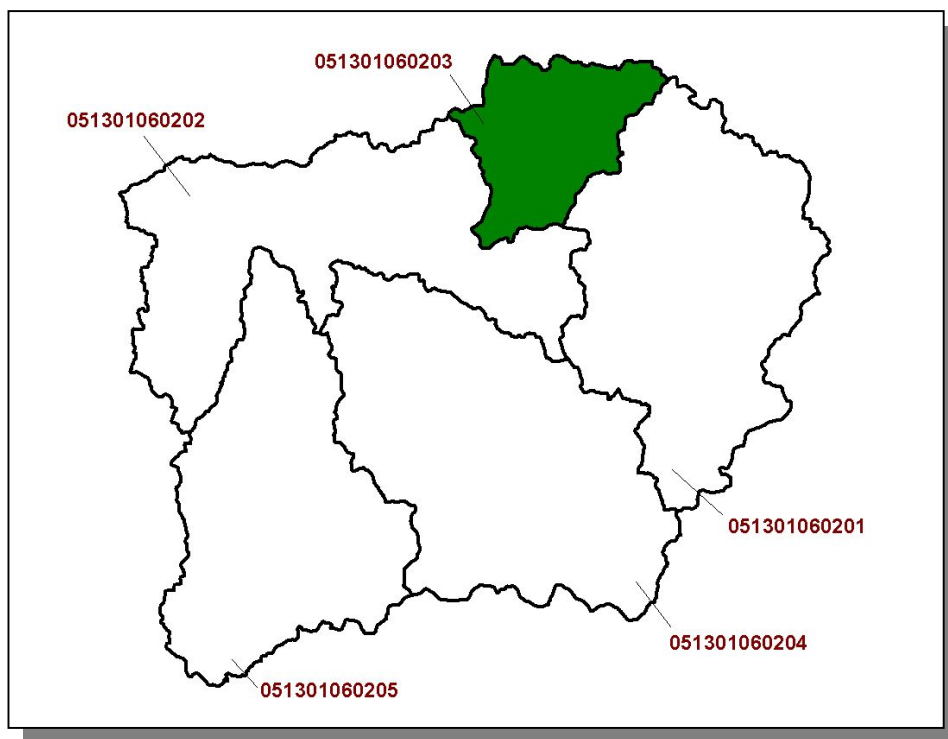


Figure 4-65. Location of Subwatershed 051301060203. All Clear Fork of the Cumberland River Watershed HUC-12 subwatershed boundaries are shown for reference.

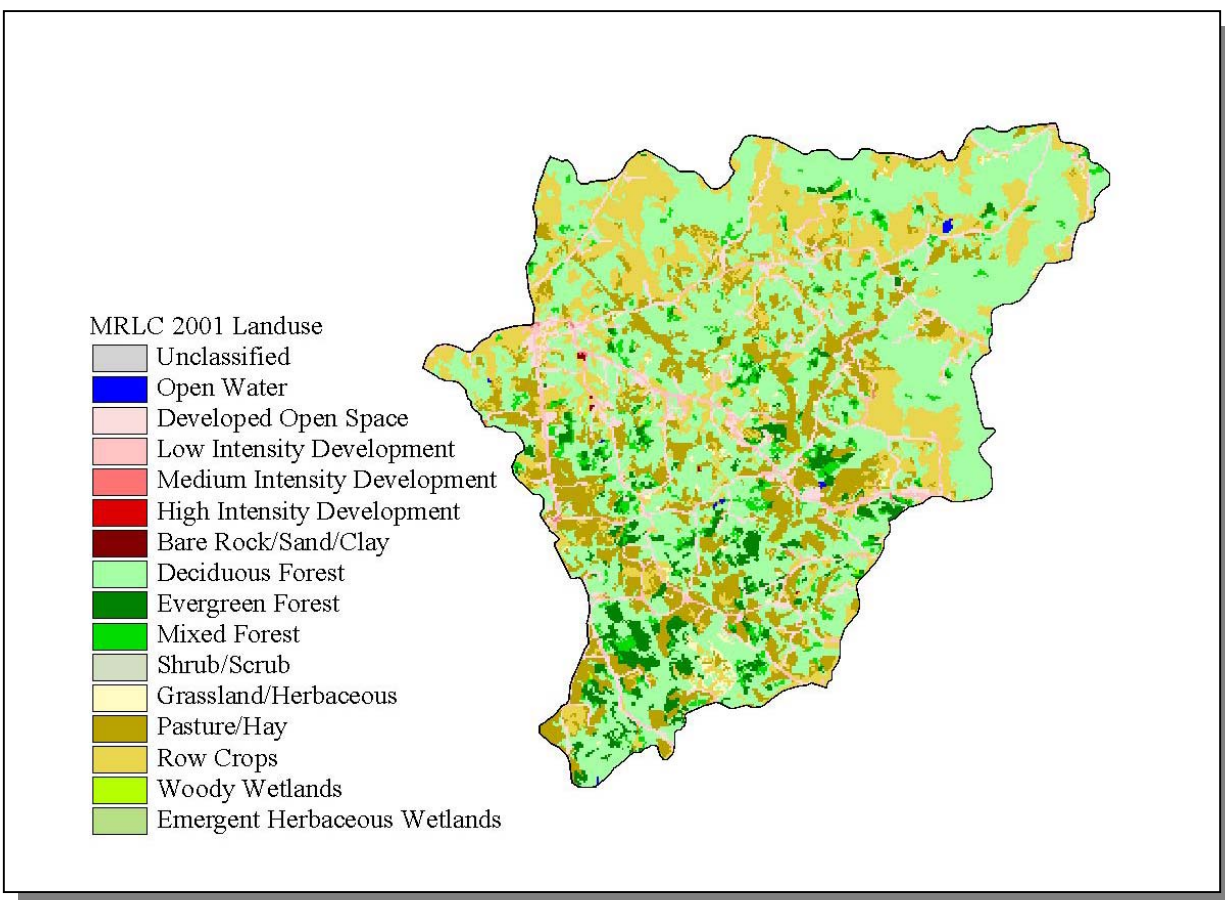


Figure 4-66. Illustration of Land Use Distribution in Subwatershed 051301060203.

DRAFT

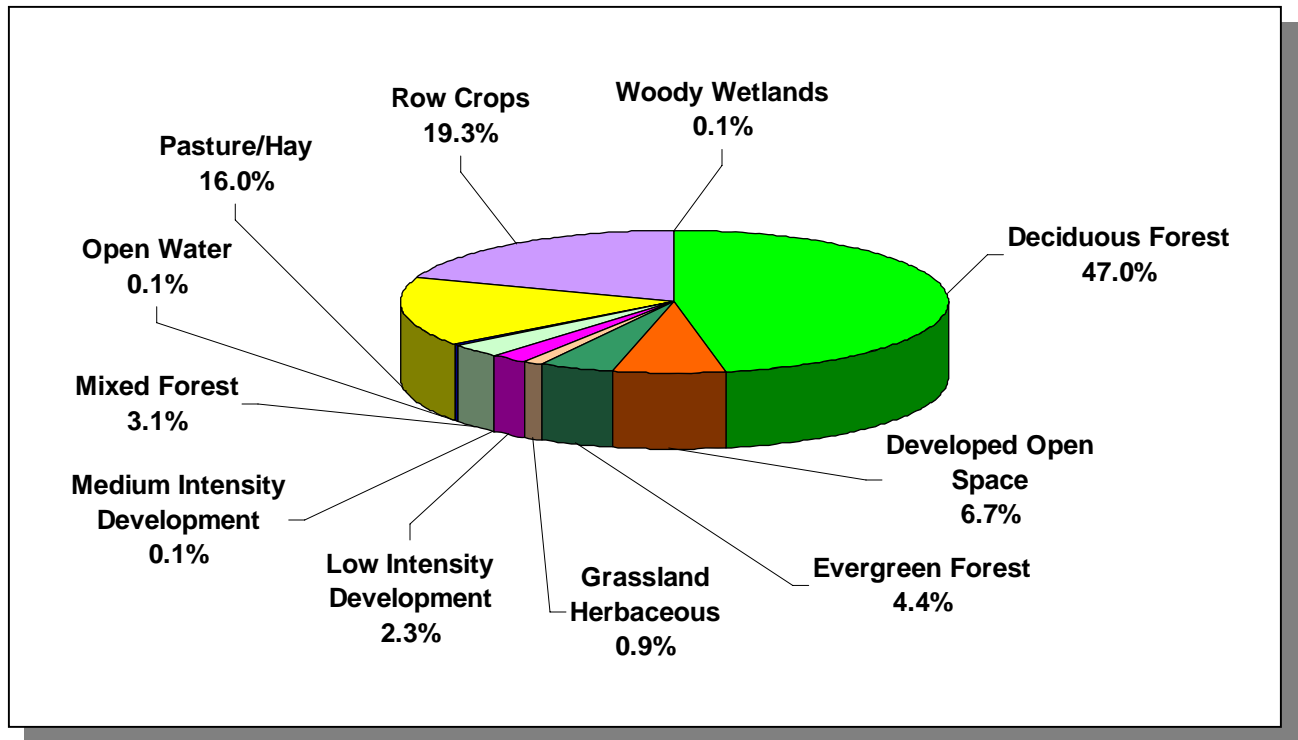


Figure 4-67. Land Use Distribution in Subwatershed 051301060203. More information is provided in Appendix IV.

DRAFT

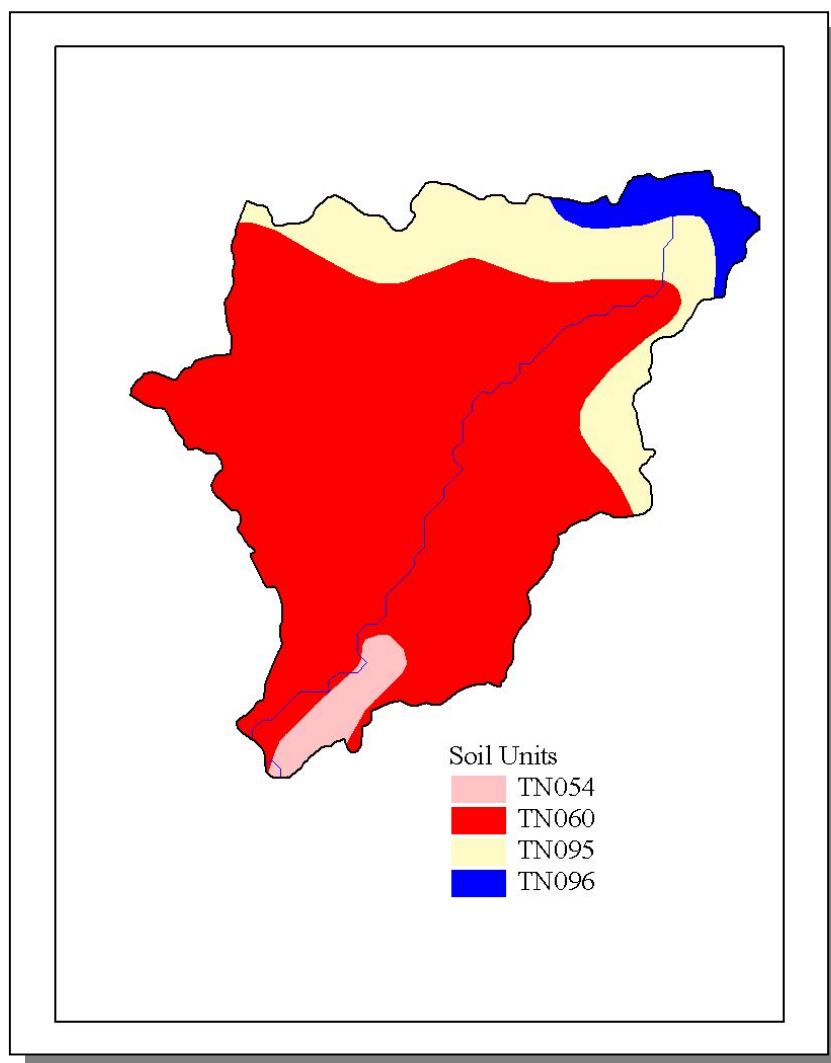


Figure 4-68. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060203.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	10.00	C	1.22	5.16	Silty Loam	0.38

Table 4-51. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060203. The definition of "Hydrologic Group" is provided in Appendix IV.

DRAFT

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Overton	17,636	19,171	20,118	5.38	950	1,032	1,083	14.0

Table 4-52. Population Estimates in Subwatershed 051301010203.

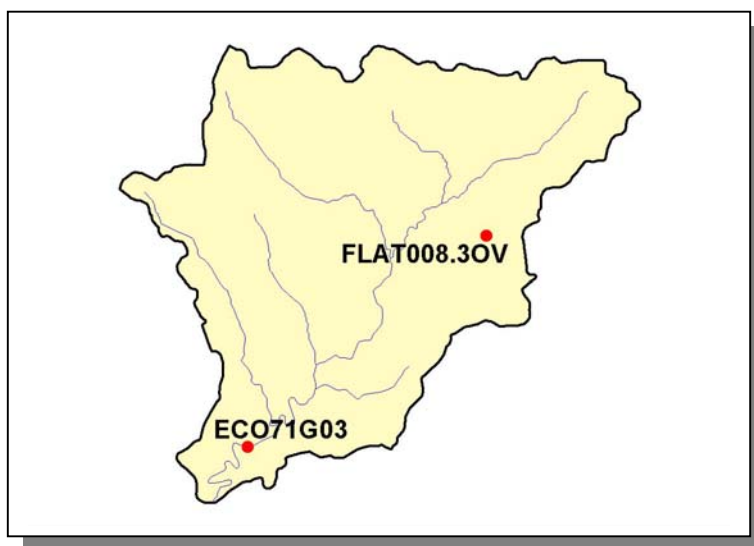


Figure 4-69. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301060203. More information, including site names and locations, is provided in Appendix IV.

4.2.B.iii.a. Point Source Contributions.

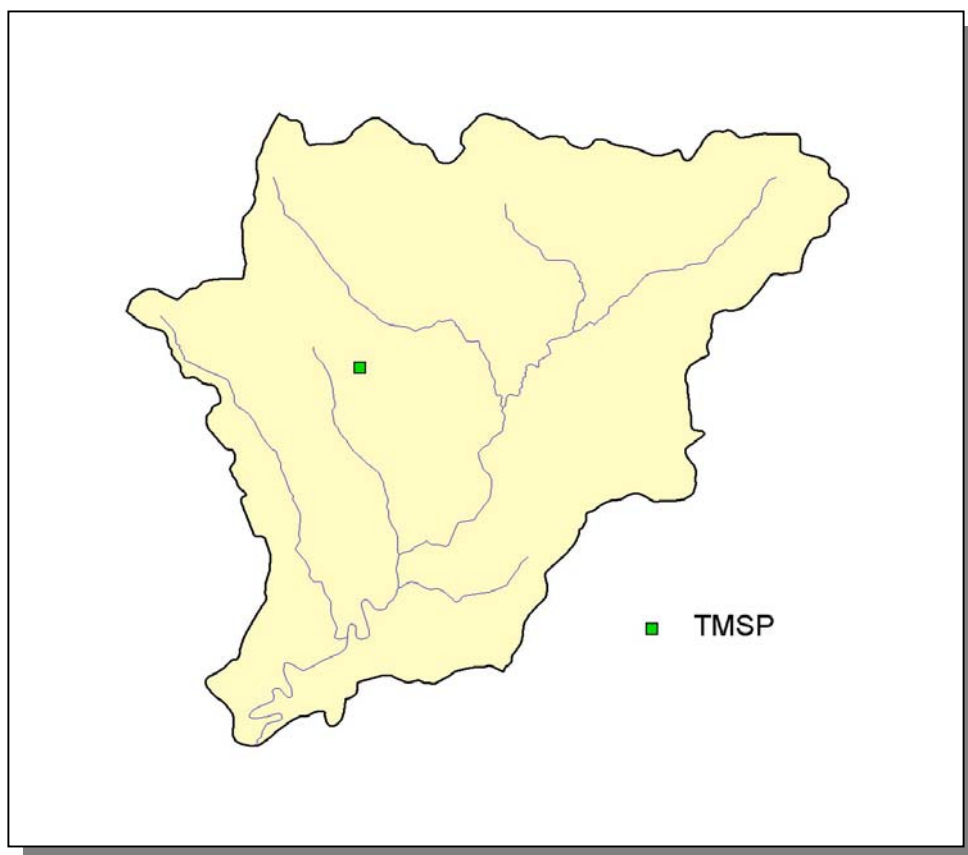


Figure 4-70. Location of Permits Issued in Subwatershed 051301060203. More information, including the names of facilities, is provided in Appendix IV.



Figure 4-71. Location of TMS Sites in Subwatershed 051301060203. More information, including the names of facilities, is provided in Appendix IV.

DRAFT

4.2.B.iii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
1,099	2,018	87	<5	59	<5

Table 4-53. Summary of Livestock Count Estimates in Subwatershed 051301060203. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Overton	15,150	27,812	1,200	1,173	811	59

Table 4-54. Summary of Livestock Count Estimates in Overton County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Overton	170.3	170.3	1.7	7.0

Table 4-55. Forest Acreage and Annual Removal Rates (1987-1994) in Overton County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.26
Grass (Hayland)	0.31
Legumes, Grass (Hayland)	2.89
Grass, Forbs, Legumes (Mixed Pasture)	0.67
Corn (Row Crops)	4.35
Soybeans (Row Crops)	10.79
Wheat (Close-Grown Cropland)	7.00
Other Vegetable and Truck Crops	21.46
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	0.58

Table 4-56. Annual Estimated Total Soil Loss in Subwatershed 051301060203.

4.2.B.iv. 051301060204 (Spring Creek).

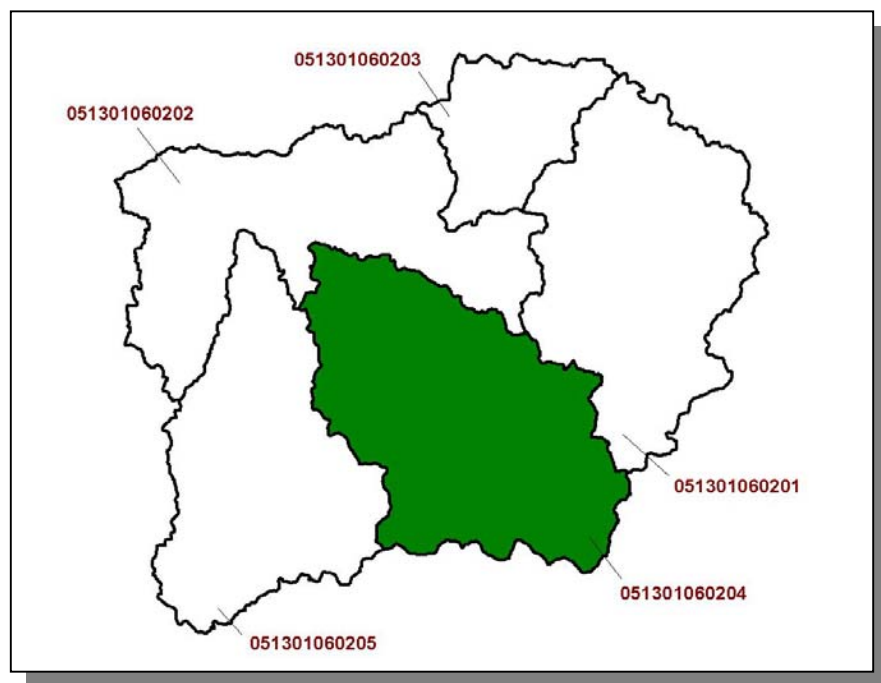


Figure 4-72. Location of Subwatershed 051301060204. All Clear Fork of the Cumberland River Watershed HUC-12 subwatershed boundaries are shown for reference.

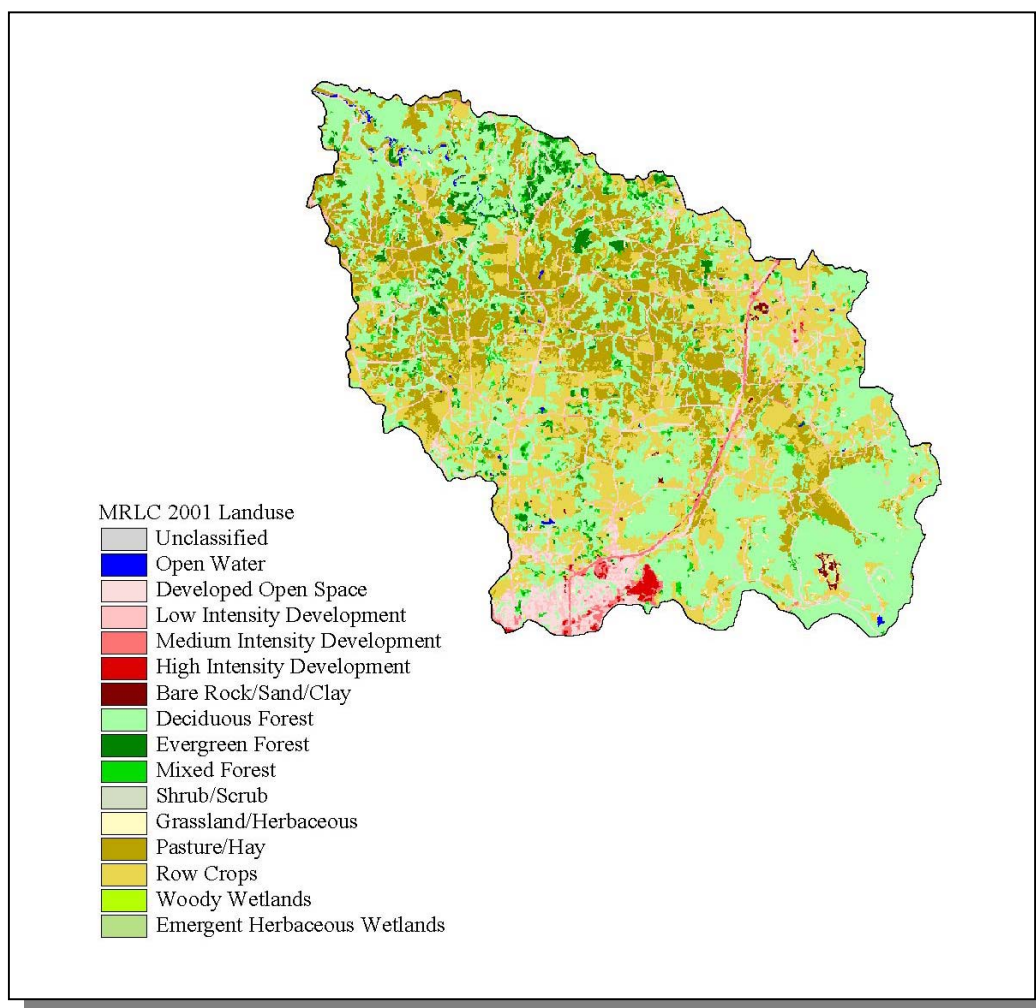


Figure 4-73. Illustration of Land Use Distribution in Subwatershed 051301060204.

DRAFT

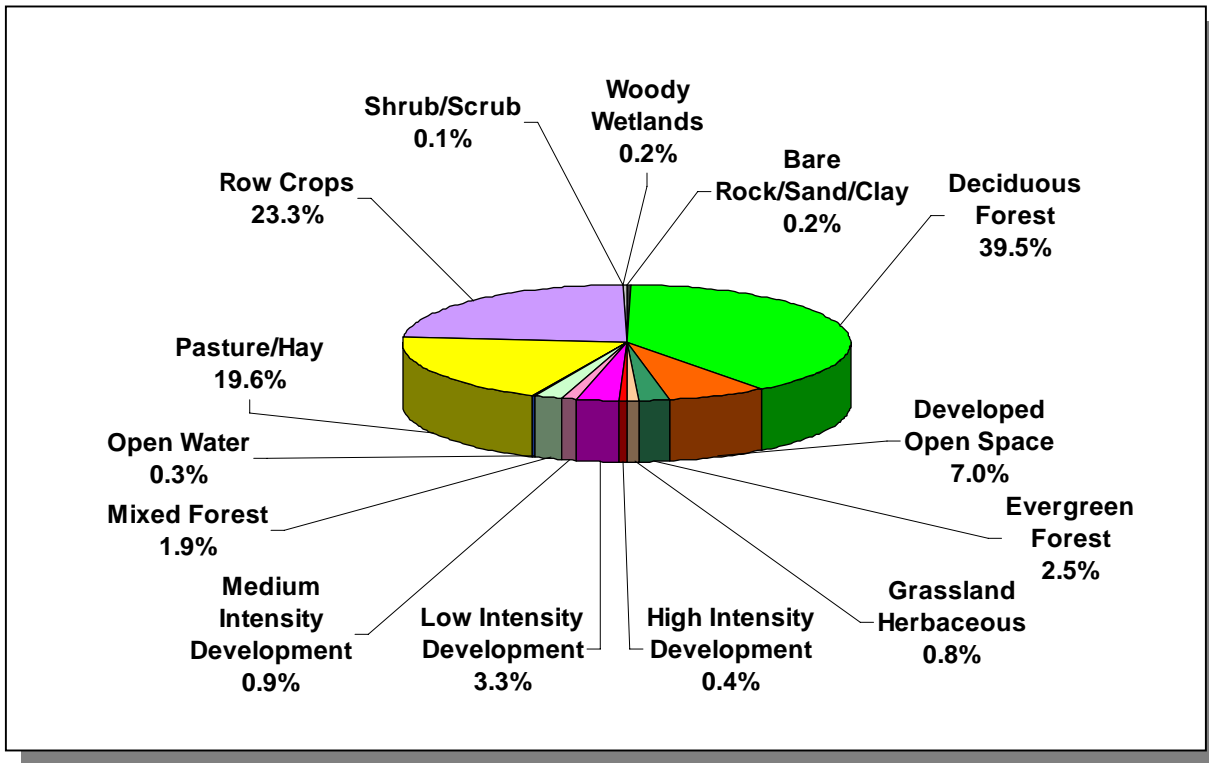


Figure 4-74. Land Use Distribution in Subwatershed 051301060204. More information is provided in Appendix IV.

DRAFT

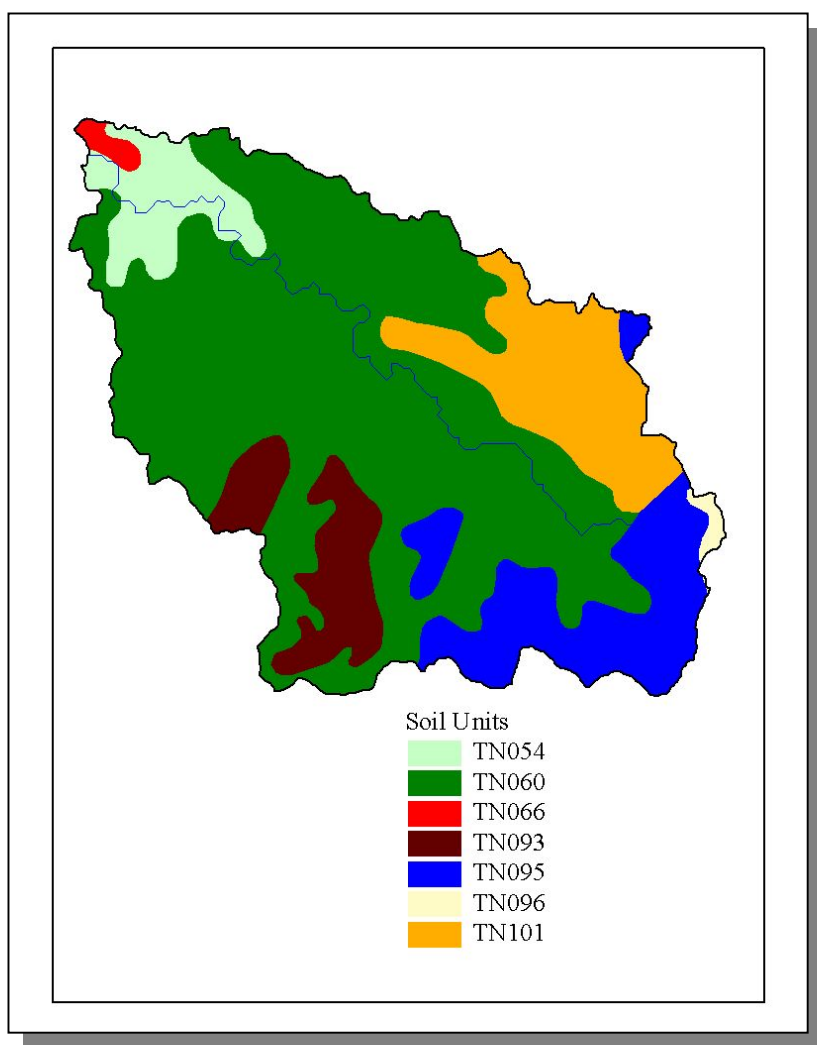


Figure 4-75. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060204.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN066	0.00	B	2.62	4.75	Loam	0.28
TN093	0.00	B	2.43	4.95	Loam	0.36
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	10.00	C	1.22	5.16	Silty Loam	0.38
TN101	0.00	B	1.71	5.39	Loam	0.35

Table 4-57. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060204. The definition of "Hydrologic Group" is provided in Appendix IV.

DRAFT

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Jackson	9,279	9,537	10,984	2.92	271	278	320	18.1
Overton	17,636	19,171	20,118	5.72	1,009	1,097	1,151	14.1
Putnam	51,373	58,326	62,315	10.92	5,608	6,367	6,803	21.3
Total	78,306	87,034	93,417		6,888	7,742	8,274	20.1

Table 4-58. Population Estimates in Subwatershed 051301010204.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Algood	Putnam	2,399	1,016	706	308	2
Cookeville	Putnam	21,744	9,284	8,131	1,135	18
Totals		24,143	10,300	8,837	8,439	20

Table 4-59. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 051301060204.



Figure 4-76. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301060204. More information is provided in Appendix IV.

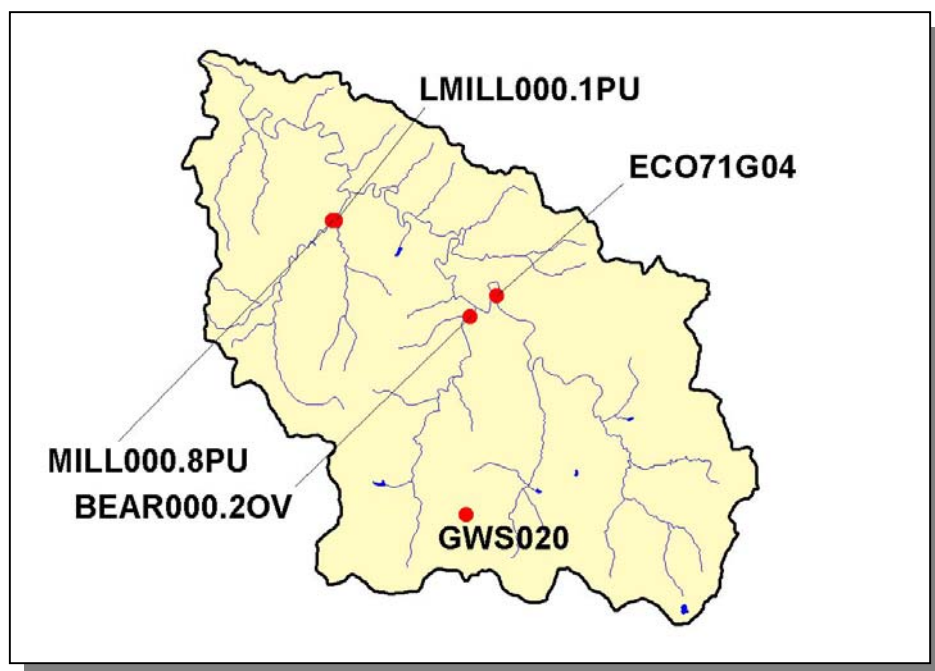


Figure 4-77. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301060204. More information, including site names and locations, is provided in Appendix IV.

4.2.B.iv.a. Point Source Contributions.

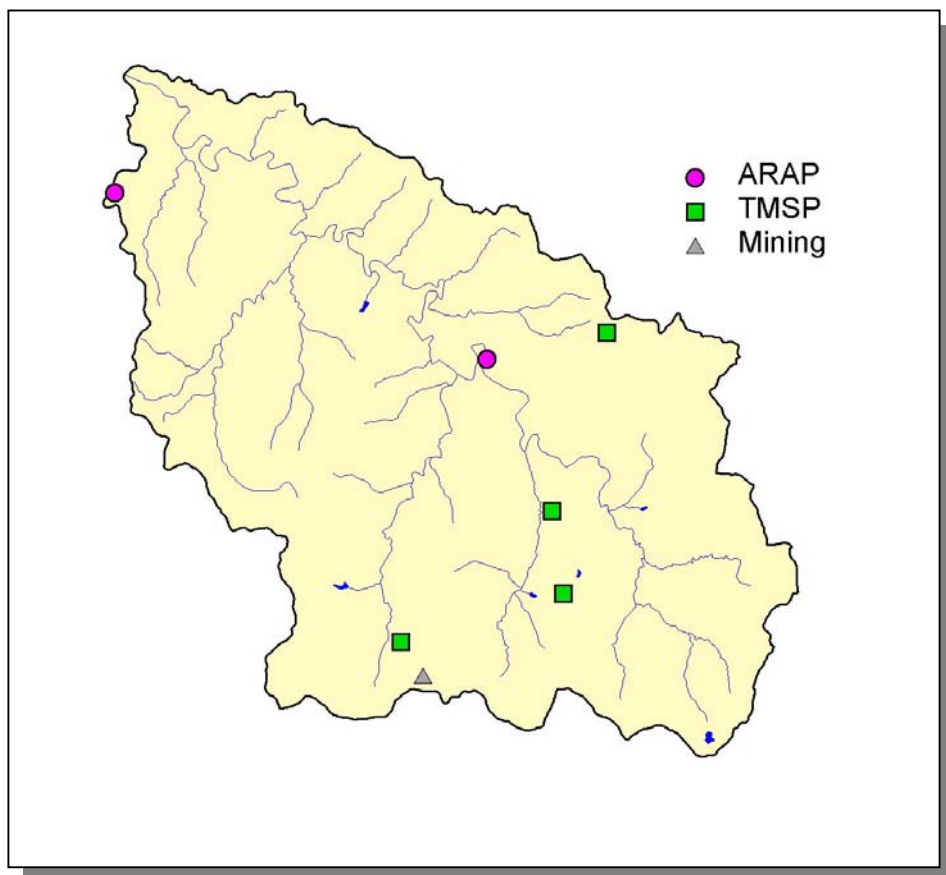


Figure 4-78. Location of Permits Issued in Subwatershed 051301060204. More information, including the names of facilities, is provided in Appendix IV.



Figure 4-79. Location of Active Mining Sites in Subwatershed 051301060204. More information, including the names of mining operations, is provided in Appendix IV.



Figure 4-80. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 051301060204. More information is provided in Appendix IV.

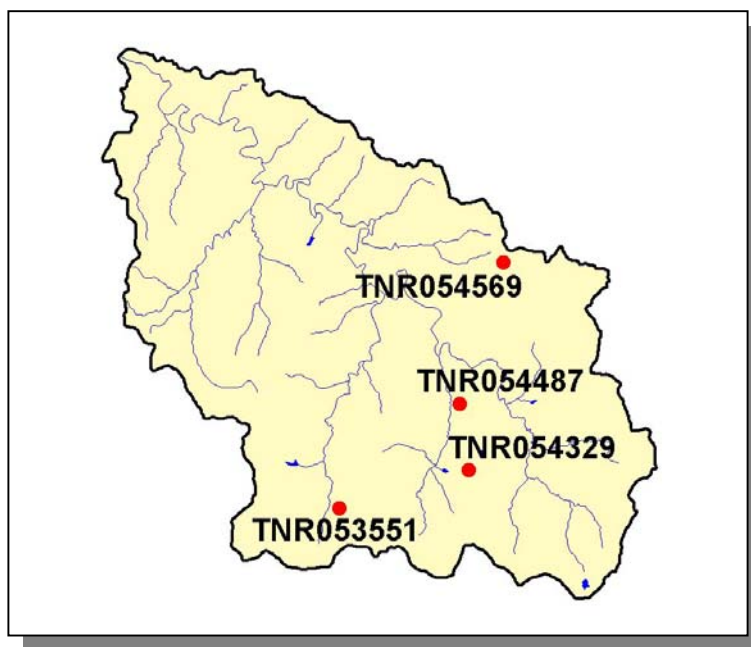


Figure 4-81. Location of TMSP Sites in Subwatershed 051301060204. More information, including the names of facilities, is provided in Appendix IV.

DRAFT

4.2.B.iv.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
5,229	9,884	380	18	365	25

Table 4-60. Summary of Livestock Count Estimates in Subwatershed 051301060204. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Jackson	6,962	12,086	10	727	403	39
Overton	15,150	27,812	1,200	1,173	811	59
Putnam	12,592	24,817	1,095	1,025	1,070	66

Table 4-61. Summary of Livestock Count Estimates in Jackson, Overton, and Putnam Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Jackson	135.9	135.9	0.9	5.1
Overton	170.3	170.3	1.7	7.0
Putnam	152.5	152.3	3.6	16.4

Table 4-62. Forest Acreage and Annual Removal Rates (1987-1994) in Jackson, Overton, and Putnam Counties.

CROPS	TONS/ACRE/YEAR
Legumes (Patureland)	0.41
Grass (Pastureland)	1.42
Grass (Hayland)	1.15
Legumes, Grass (Hayland)	1.43
Legumes (Hayland)	0.22
Grass, Forbs, Legumes (Mixed Pasture)	0.99
Corn (Row Crops)	9.00
Soybeans (Row Crops)	10.79
Tobacco (Row Crops)	12.38
Wheat (Close-Grown Cropland)	7.00
Other Vegetable and Truck Crops	17.07
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	0.46

Table 4-63. Annual Estimated Total Soil Loss in Subwatershed 051301060204.

4.2.B.v. 051301060205 (Blackburn Fork).

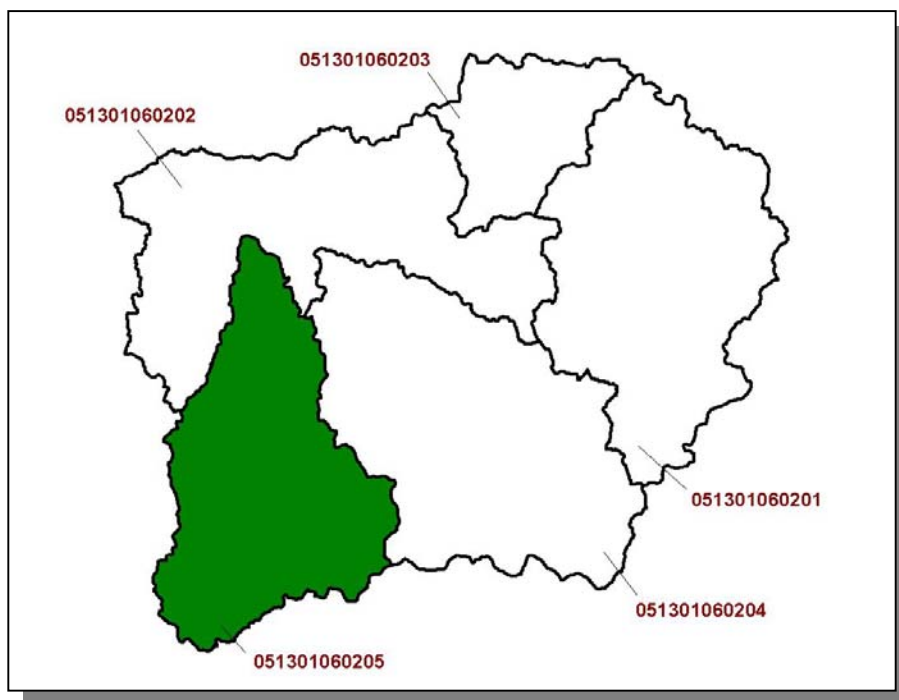


Figure 4-82. Location of Subwatershed 051301060205. All Clear Fork of the Cumberland River Watershed HUC-12 subwatershed boundaries are shown for reference.

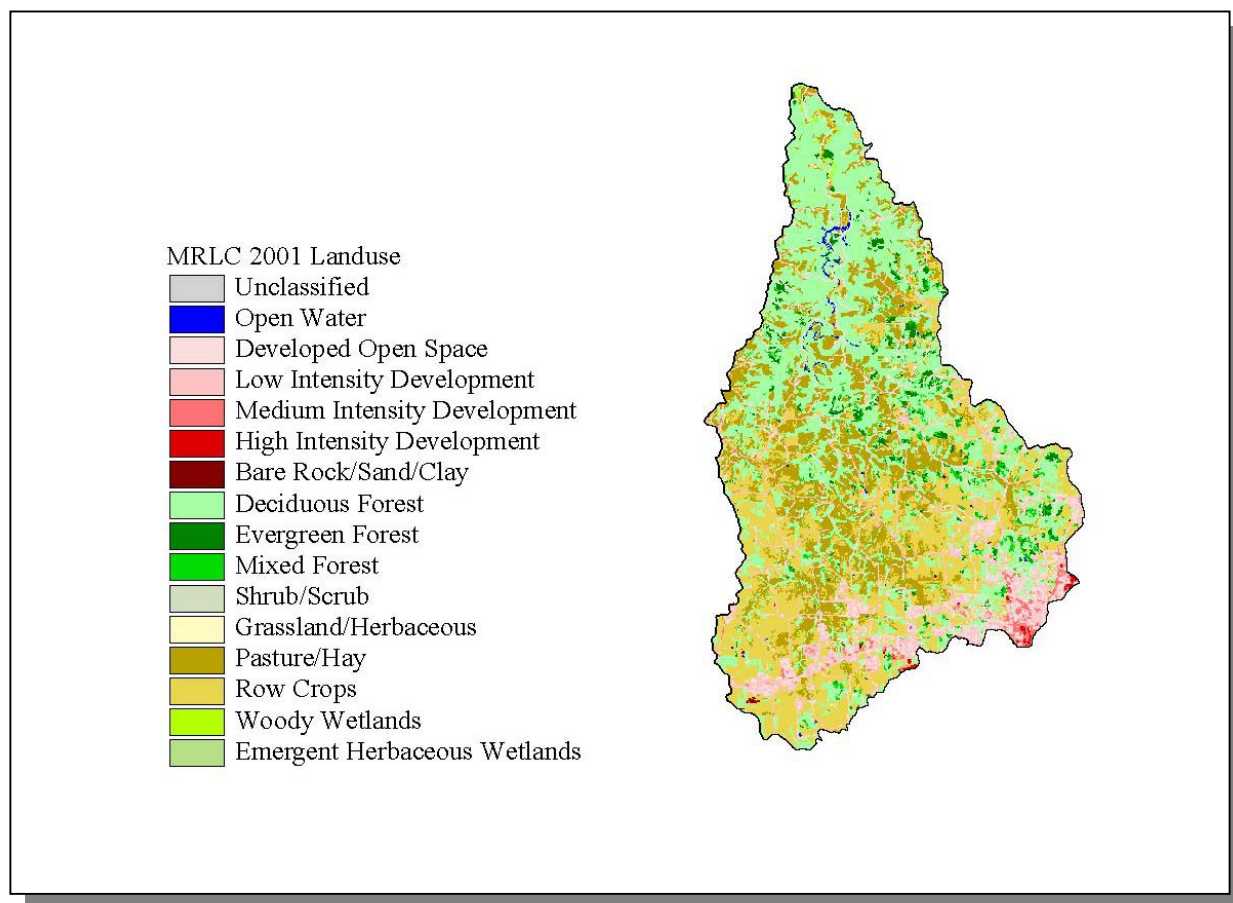


Figure 4-83. Illustration of Land Use Distribution in Subwatershed 051301060205.

DRAFT

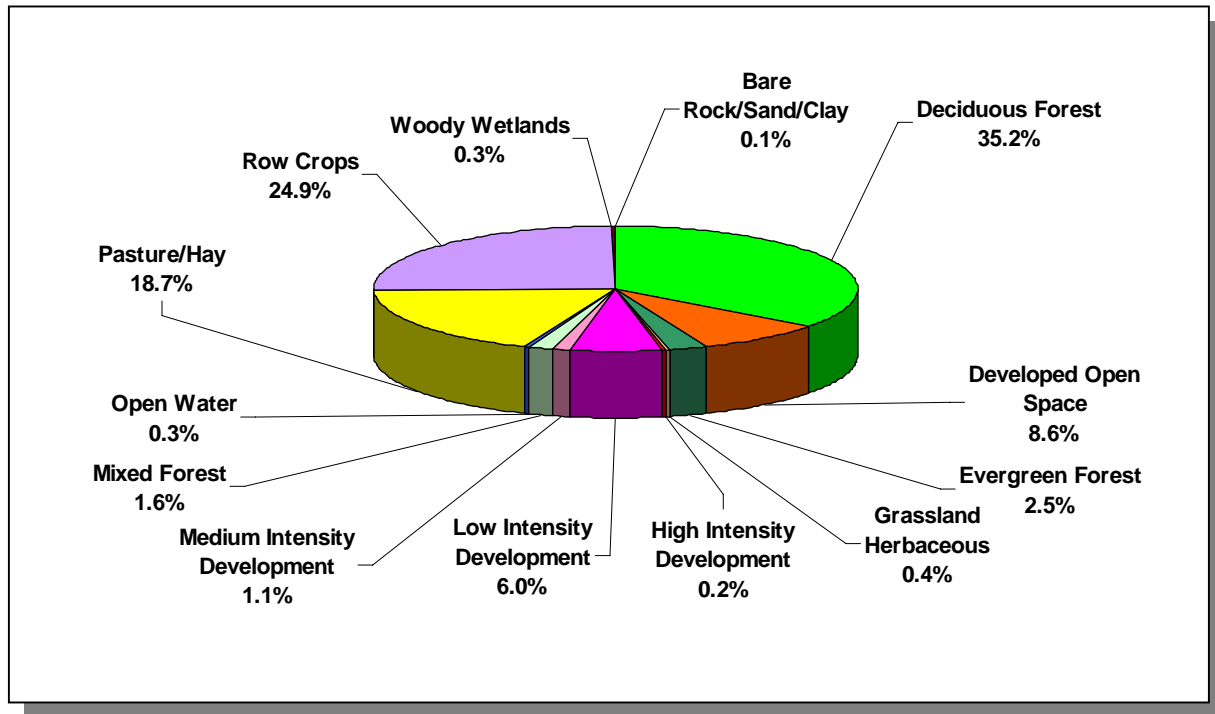


Figure 4-84. Land Use Distribution in Subwatershed 051301060205. More information is provided in Appendix IV.

DRAFT

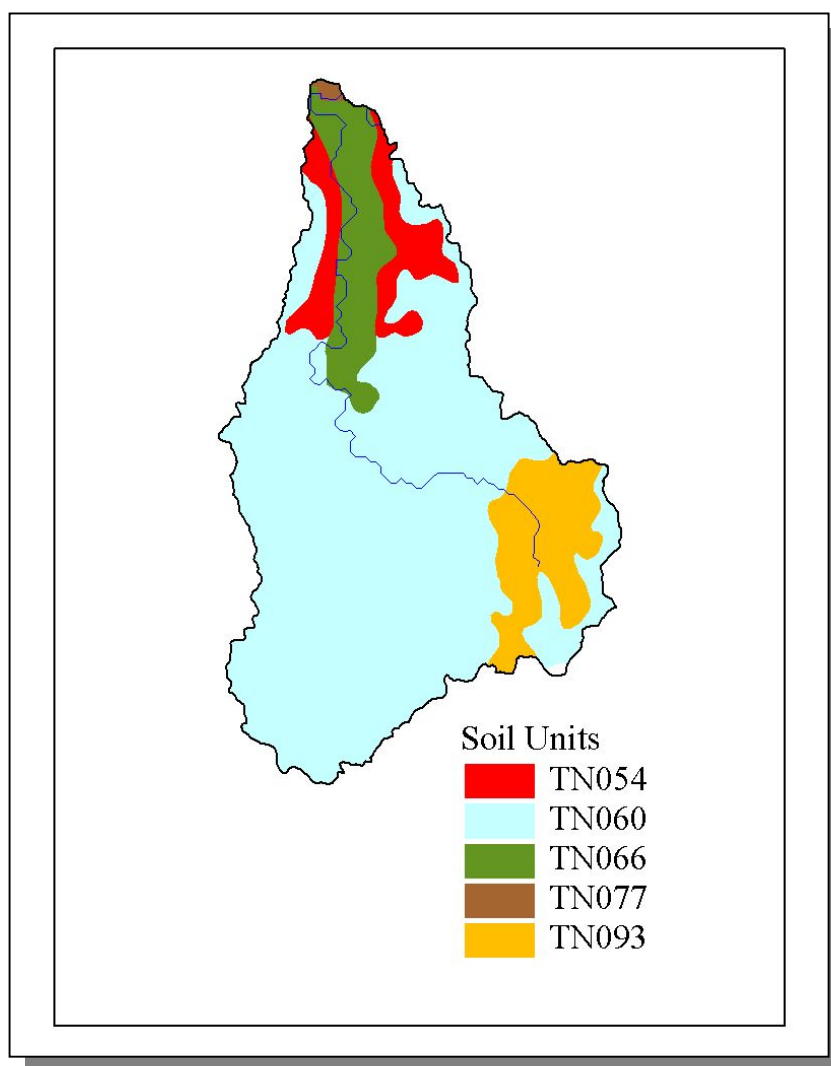


Figure 4-85. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060205.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN066	0.00	B	2.62	4.75	Loam	0.28
TN077	4.00	C	2.16	5.03	Loam	0.34
TN093	0.00	B	2.43	4.95	Loam	0.36

Table 4-64. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301060205. The definition of "Hydrologic Group" is provided in Appendix IV.

DRAFT

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Jackson	9,297	9,537	10,984	8.38	779	799	920	18.1
Putnam	51,373	58,326	62,315	8.72	4,479	5,085	5,433	21.3
Total	60,670	67,863	73,299		5,258	5,884	6,353	20.8

Table 4-65. Population Estimates in Subwatershed 051301010205.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Baxter	Putnam	1,289	579	424	153	2
Cookeville	Putnam	21,744	9,284	8,131	1,135	18
Totals		23,033	9,863	8,555	1,288	20

Table 4-66. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 051301060205.

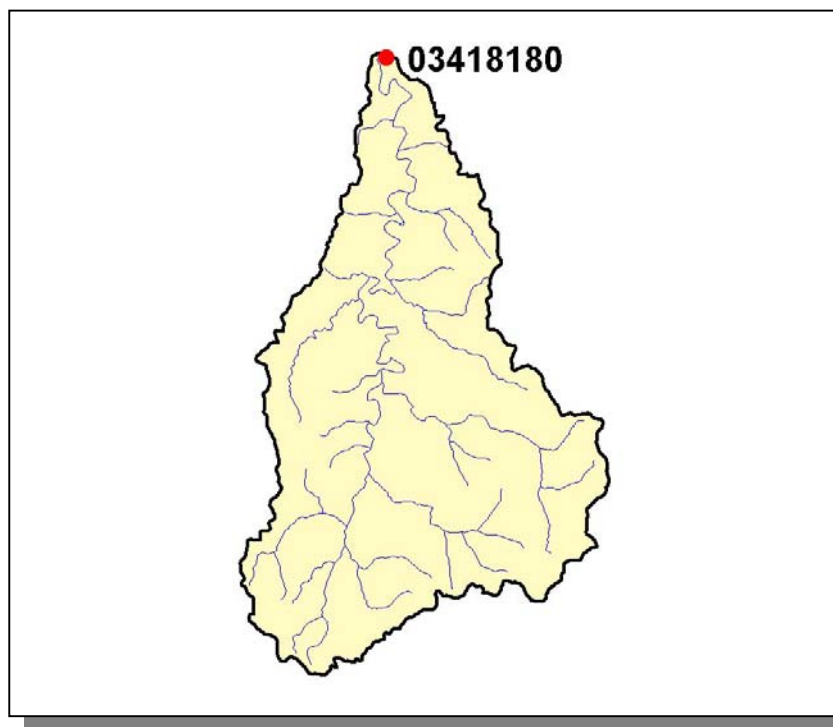


Figure 4-86. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301060205. More information is provided in Appendix IV.

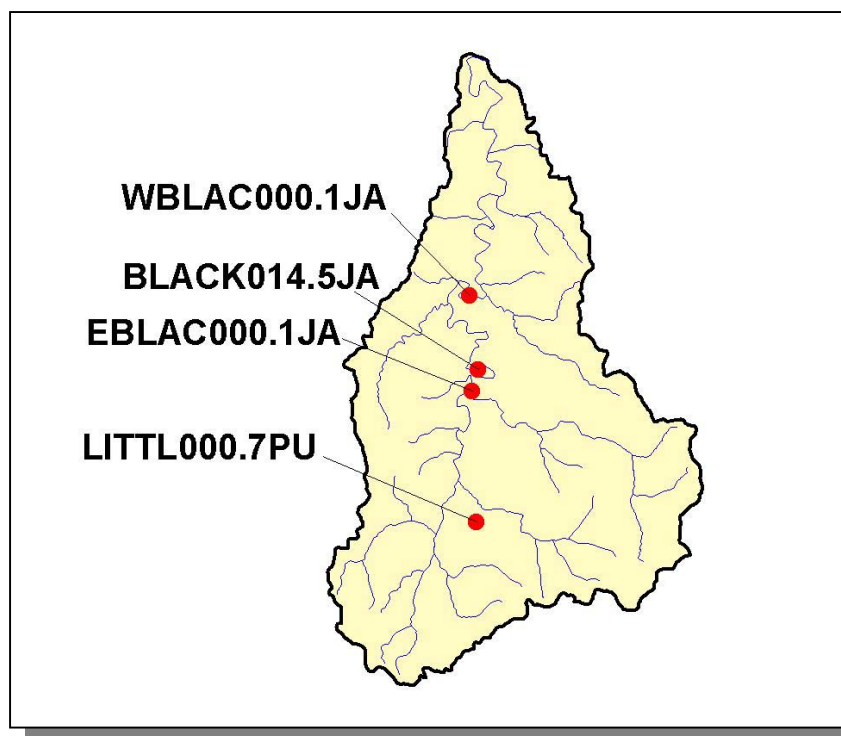


Figure 4-87. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301060205. More information, including site names and locations, is provided in Appendix IV.

4.2.B.v.a. Point Source Contributions.

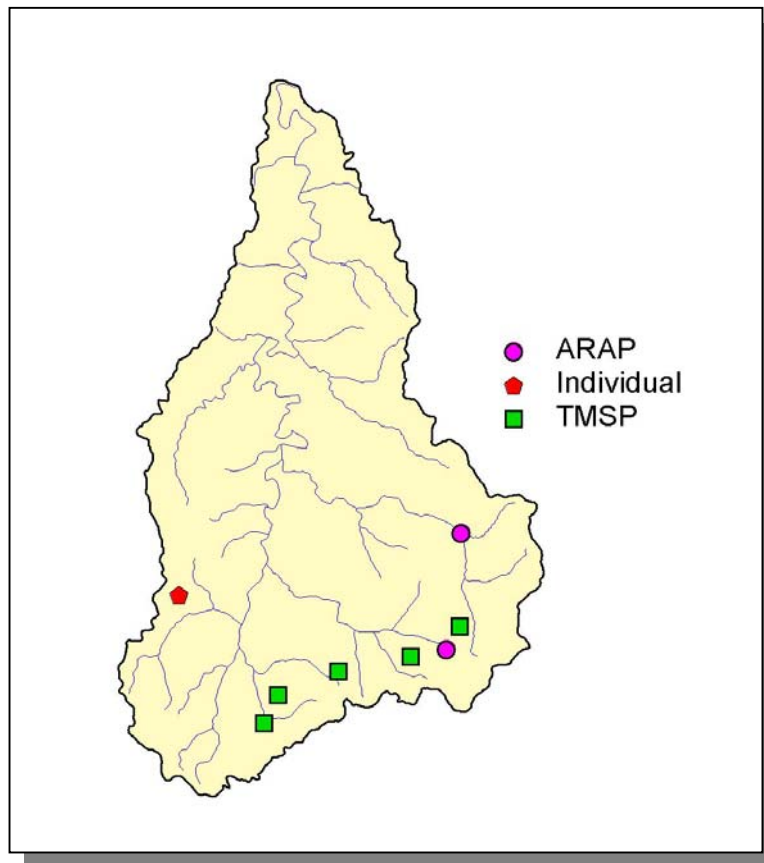


Figure 4-88. Location of Permits Issued in Subwatershed 051301060205. More information, including the names of facilities, is provided in Appendix IV.



Figure 4-89. Location of Active NPDES Sites in Subwatershed 051301060205. More information, including the names of facilities, is provided in Appendix IV.

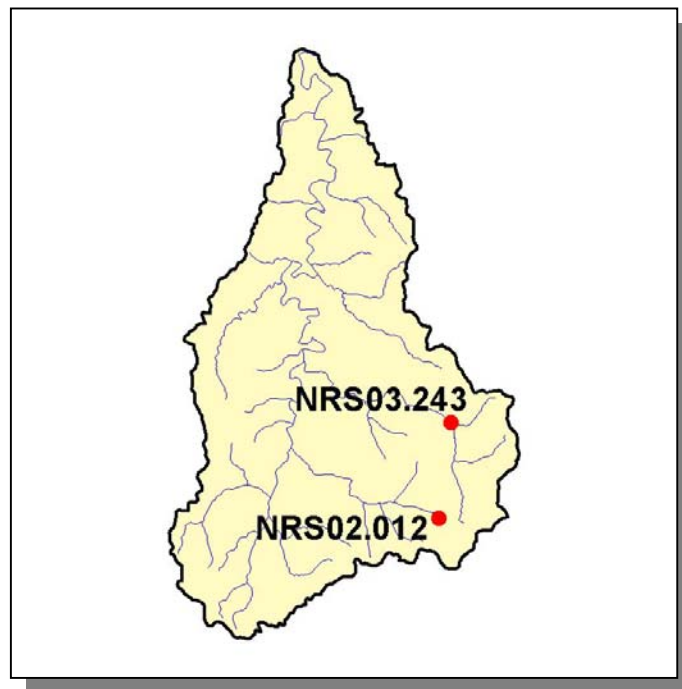


Figure 4-90. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 051301060205. More information is provided in Appendix IV.

DRAFT

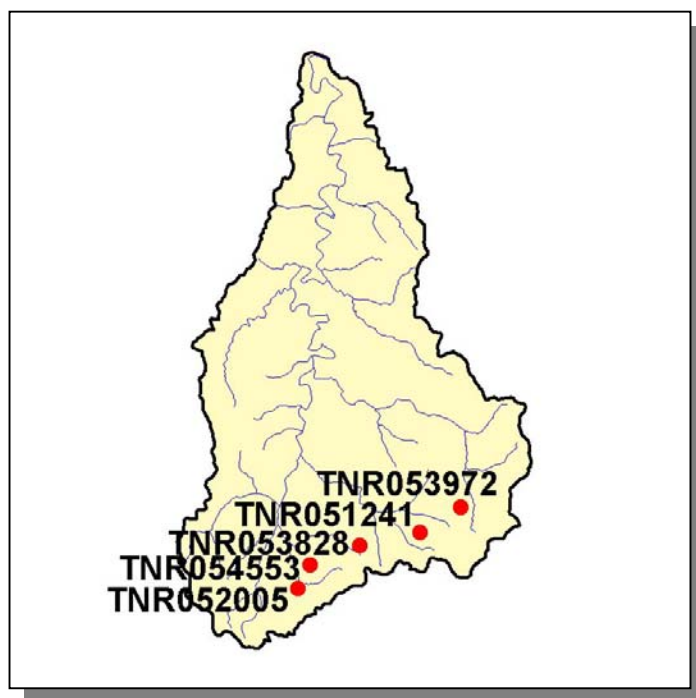


Figure 4-91. Location of TMSP Sites in Subwatershed 051301060205. More information, including the names of facilities, is provided in Appendix IV.

DRAFT

4.2.B.v.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
4,025	7,634	241	15	308	22

Table 4-67. Summary of Livestock Count Estimates in Subwatershed 051301060205. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Jackson	6,962	12,086	10	727	403	39
Putnam	12,592	24,817	1,095	1,025	1,070	66

Table 4-68. Summary of Livestock Count Estimates in Jackson and Putnam Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Jackson	135.9	135.9	0.9	5.1
Putnam	152.5	152.3	3.6	16.4

Table 4-69. Forest Acreage and Annual Removal Rates (1987-1994) in Jackson and Putnam Counties.

CROPS	TONS/ACRE/YEAR
Legumes (Pastureland)	0.41
Grass (Pastureland)	2.05
Grass (Hayland)	1.63
Legumes (Hayland)	0.20
Legumes, Grass (Hayland)	0.61
Grass, Forbs, Legumes (Mixed Pasture)	1.41
Corn (Row Crops)	21.43
Tobacco (Row Crops)	12.38
Other Vegetable and Truck Crops	14.60
Farmsteads and Ranch Headquarters	0.69

Table 4-70. Annual Estimated Total Soil Loss in Subwatershed 051301060205.